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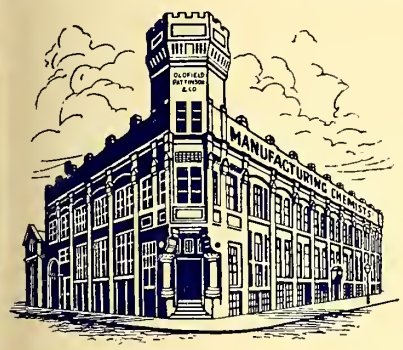

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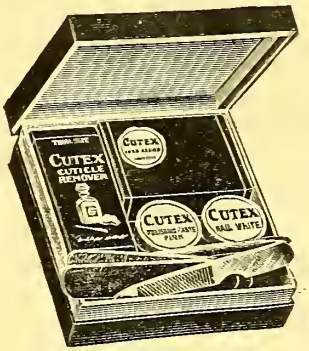

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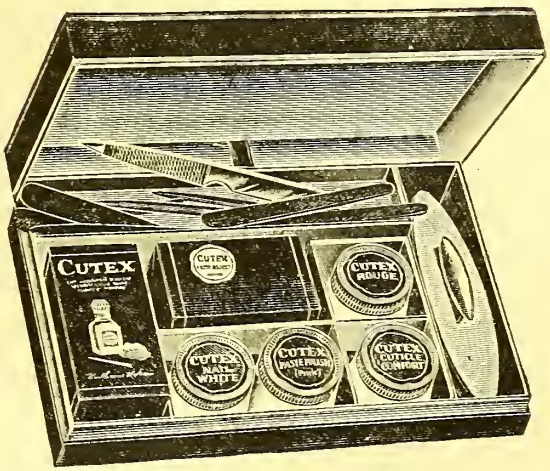

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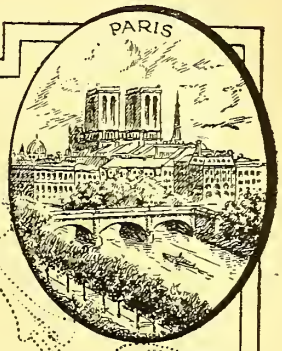

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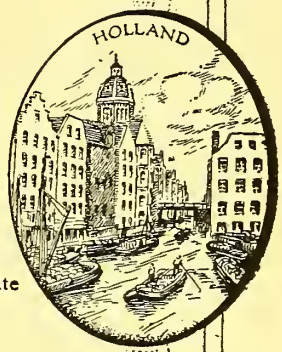
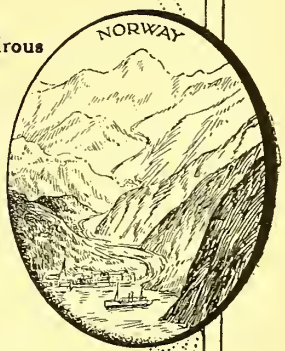
R. W. GREEFF & Co. offer at lowest prices the following products :—

(WHOLESALE QUANTITIES ONLY)

Acetanilid	Guaiacol Carbonate	Potash Sulpho-Guaiacolate
Acetyl Salicylic Acid	Hexamine	Quinidine and Salts
Amidol	Homatropine	Quinine and Salts
Amidopyrin	Hydroquinone	Quinoidine
Barbitone	Ichthyol Substitute	Resorcin
Benzoic Acid	Kelene	Saccharin
Benzamine Hydrochlor	Lemon Oil	Salicylic Acid
Benzamine Lactate	Lithia Carbonate	Salicylate of Soda
Benzo Naphthol	Lecithin	Salol
Beta Naphthol	Menthol	Soda Benzoate
Bromides	Mercurials	Soda Hyposulphite
Calcium Lactate	Methylene Blue Medicinal	Soda Sulphite Anhydrous
Chloral Hydrate	Methyl Salicylate	Sugar of Milk
Cinchonine and Salts	Metol	Tannic Acid
Cinchonidine and Salts	Paraldehyde	Tannin Albuminate
Citric Acid	Peppermint Oil	Tartaric Acid
Cocain	Pepsine	Terpineol
Coumarin	Peptone	Terpine Hydrate
Creosote Carbonate	Phenacetin	Theobromine
Eucalyptus Oil	Phenazone	Thymol Crystals
Gallic Acid	Phenolphthalein	Vanillin
Glycerophosphates	Pyrogallic Acid	



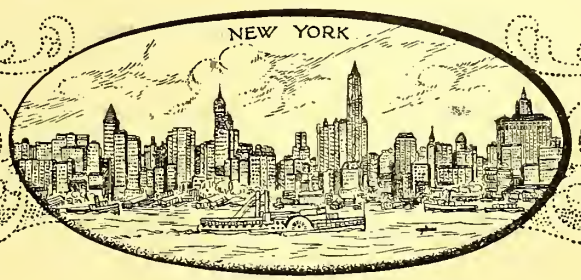


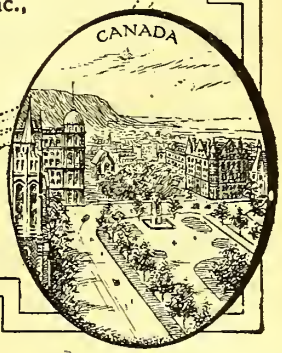
R. W. Greeff & Co.

THAMES HOUSE, QUEEN STREET PLACE,
LONDON, E.C.4.

MANCHESTER BRANCH
Lloyd's Bank Buildings,
King Street.

NEW YORK AGENTS
R. W Greeff & Co., Inc.,
78, Front Street.





The special permission of the Committees of the London and Manchester Stock Exchanges for dealing In these Shares after allotment will be applied for.

The Subscription List will Open on Monday, the 16th day of February, 1920.

A copy of the full Prospectus has been Filed with the Registrar of Companies.

Lancashire Automatic Glass Manufacturing Company Ltd

Incorporated under the Companies Acts, 1908 to 1917.

Share Capital - - £400,000.

Divided into 400,000 Shares of £1 each.

200,000 SHARES,

Subject to the Directors' qualification, and other shares for which the Memorandum Association has been subscribed, are now offered for public subscription, at par,

PAYABLE AS FOLLOWS:—

2/6 per Share on Application.
5/- per Share on Allotment.
5/- per Share on the 31st day of March, 1920.
7/6 per Share on the 31st day of May, 1920.

£1 0 0

The whole of the present issue (less preliminary expenses) will be available for the general purposes of the Company.

DIRECTORS.

ALD. WILLIAM KAY, J.P., Brewer, Deputy Mayor of Manchester, and Deputy Chairman The Manchester Ship Canal Co., The Anchorage, Stanley Road, Whalley Range, Manchester, Chairman.

WILLIAM HENRY VENO, Manufacturing Druggist, Governing Director of the Veno Drug Co., Ltd., "Racehill," Altrincham, Cheshire.

ARTHUR REGINALD MIDWOOD, Merchant, Managing Director A. H. Midwood & Co., Ltd., Manchester, and Director Dennis Bros., Ltd., Motor Manufacturers, Oakley Hall, Market Drayton, Shropshire.

INGVALD OLIVER PEDERSEN, European Manager of the Cumberland Glass Manufacturing Co., Bridgeton, U.S.A., Glass Manufacturer, Imperial Mansions, 178 Charing Cross Road, London, W.C.

GEORGE SPENCER, Manufacturer, Lethbridge House, Southport, Lancashire.

BANKERS.

MANCHESTER AND LIVERPOOL DISTRICT BANKING LTD., Head Office, Spring Gardens, Manchester, 75 Corn London, E.C. 3, and other branches.

SOLICITORS.

GRUNDY, KERSHAW, SAMSON & CO., 6 Austin Friars, Lon E.C. 2, and Manchester.

AUDITORS.

LITTON, POWNALL, BLAKEY & HIGSON, 42 Spring Gard Manchester.

BROKERS.

R. RAPHAEL & SONS, Austin Friars House, London, E.

SECRETARY AND REGISTERED OFFICE.

JAMES BLAKEY, JUNR., A.C.A., 42 Spring Gardens, Manche

ABRIDGED PROSPECTUS.

e Company has been formed for the objects mentioned in its orandum of Association, and particularly for the purpose of ufacturing machine-made glass bottles (especially medical e) on the principle of mass production which has proved so table to producers and so useful to the public.

e Company is acquiring a suitable site of about 4½ acres rafford Park, Manchester, on whioh it is proposed to ereet a ern up-to-date factory capahle of a total output of 42,000,000 les per annum.

e factory will be erected under the direction of men exenced in American glass works, and the Directors confidently ve that its economic working will be unequalled hy any ory in Europe. The site is close to the raw material required, has excellent water and rail transport facilities to all kets.

e Company will purchase three automatic Hartford-Fairt feeders, and will acquire licenses to use them for medical proprietary bottles (other than bottles for containing beers, es, spirits, mineral waters, and similar beverages) in all urs and sizes up to a maximum internal diameter of neck of nches, and will acquire an option to obtain four additional ers and licenses at any time within three years.

e Company proposes to use in conjunction with the autoio feeders entirely automatic blowing machines equipped with matio transfers and automatic conveyors to the lehrs, and s believed that when oomplete the factory will be the only s plant of its kind in Europe.

r. Pedersen (whom, as mentioned below, the Directors pro- to appoint as Managing Director) states as follows:—

The Hartford-Fairmont automatic feeders have been in operation in some of the largest American glass works for more than three years, where they have proved their superiority in practical use over all known types of similar devices.

Bottles blown by the automatio process proposed to be adopted are more uniform in capacity, weight, and standardisation, and are much better in appearance than hand-made or semiantomatio made hottles.

From the time the raw material is dumped into the furnace until the hottles have passed through the lehrs and are ready for packing, there is no necessity to handle the bottles, THUS ELIMINATING EXPENSIVE LABOUR AND PRODUCING BOTTLES AUTOMATICALLY WITH GREAT RAPIDITY AND AT A LOWER FACTORY COST THAN HAS BEEN POSSIBLE IN ANY EXISTING WORKS IN GREAT BRITAIN.

he British Hartford-Fairmont Syndicate Limited have sup- d the following information as to the amount of labour uired under their process as compared with the hand-made hod and the semi-automatic method:—

Hand-made Method to produce 1,400 gross.—Labour required: 40 skilled and highly-paid workers and 40 unskilled workers, total 80.

Semi-automatic Process, with Hand Gatherers and Forming Machines to produce 1,430 gross.—Labour required: 30 skilled workers and 18 unskilled workers, total 48.

Hartford-Fairmont Automatio Process to produce 1,960 gross. —Labour required: 3 skilled men, 3 semi-skilled men, and 6 nnskilled boys, total 12.

he Company will proceed with the building operations as edily as possible, and it is confidently anticipated that the tory will be in full operation in about eight months from the ning of the building contract.

he cost of the faotory, fully equipped with all necessary hinery, is estimated not to exceed £150,000, and after payt of this and the costs of the issue the Directors anticipate t they will have in hand a sum of ahout £24,000, which they sider will be ample for working capital.

he Directors have carefully investigated the question of fits, and after allowing for all contingencies are satisfied t, subject to Taxation, the profits to be derived from the ceeds of the present issue should, as soon as the factory is running order (even assuming that the sale price of the mpany's products fall 50 per cent below the present level), at the rate of not less than £60,000 per annum. There is, wever, every reason to anticipate that prices will be mained, in which case the profits will be very largely increased. e prospects of the Company are therefore most favourable.

here is a serious shortage of bottles, and applications have eady been made from prospective buyers in the trade for the ole of the output of the factory.

he Directors propose to appoint Mr. Pedersen as Managing ector. He has had an extensive experience in all matters nected with the commercial management and the marketing glass ware. He has tendered his resignation as the European nager of the Cumberland Glass Manufacturing Co., Bridgeton, w Jersey, U.S.A., and his services will be available in March, 0.

The Directors propose to engage as Works Manager Mr. Daniel Ripley, who bas recently been operating a modern glass-bottle nt in Pittsburg, U.S.A., and who has for many years acted in advisory capacity to several of the largest American Glass rks.

The minimum subscription on which the Company may proceed to allotment is fixed hy the Articles of Assooiation at seven Shares, but as mentioned helow the Shares now offered for suhsoription have heen underwritten.

The preliminary expenses, exclusive of the cost of underwriting and hrokerage, are estimated at the sum of £9,500, and will be paid by the Company.

The following contracts have been entered into:—

1, 2, and 3. Agreements dated the 8th day of January, 1920, and made between the British Hartford-Fairmont Syndicate, Ltd., of Audrey House, Ely Place, London, of the one part and William Henry Veno, of the other part, whereby Mr. Veno agrees to purohase 3 Hartford-Fairmont feeders for £1,500 each. Mr. Veno has paid £500 on account under each agreement.

4, 5, and 6. Licenses dated the 8th day of January, 1920, between the same parties, whereby Mr. Veno is granted the right to use such three feeders for medical and proprietary bottles (other than bottles for containing beers, wines, spirits, mineral waters, and similar beverages) in all colours and sizes up to a maximum internal diameter of neck of 1¼ in. up to the 15th March, 1931, at the following royalties:

6*d.* per gross on all articles less than 10 oz. in weight

7*d.* per gross on all articles from 10-20 oz. in weight

10*d.* per gross on all articles more than 20 oz. in weight,

with minimum monthly royalties as follows:

1st year no minimum; 2nd year, £83 6*s.* 8*d.*; 3rd year £75; 4th year, £66 13*s.* 4*d.*; 5th year, £58 6*s.* 8*d.*; 6th year, £50; 7th year, and all years thereafter during the period of the license, £16 13*s.* 4*d.*

7. Agreement dated the 3rd day of January, 1920, and made between Trafford Park Estates, Limited, of Trafford Park, Manchester, of the one part, and William Henry Veno of the other part whereby in consideration of the sum of £5 paid by Mr. Veno, he acquires an option to purchase the freehold of the ahove-mentioned site, subject to a chief rent of 6*d.* per square yard per annum for three years from the 25th March, 1920, and 1*s.* per square yard per annum thereafter.

8. Agreement dated the 8th day of January, 1920, between the British Hartford-Fairmont Syndicate, Ltd., of the one part, and Mr. Veno of the other part. By this agreement the Syndicate agree, upon the request of Mr. Veno, to cancel the Agreements and Licenses Nos. 1 to 6, and to enter into similar agreements and licenses with the Company; any payments made under such cancelled agreements and licenses being credited to the Company. The Syndicate also agree to grant the Company an option to acquire four further feeders at any time within three years.

9. Agreement dated the 9th day of February, 1920, between William Henry Veno, of the one part, and the Company of the other part, whereby Mr. Veno agrees to sell to this Company the freehold property comprised in Agreement No. 7, subject to the payment of the rent charges therein mentioned, and to hold Agrement No. 8 in trust for the Company, in consideration of the allotment to him or his nominees of 15,000 fully-paid shares of £1 each in the Company, and the repayment of the £1,500 paid by him as mentioned above.

10. Agreement dated the 9th day of February, 1920, between the Company, of the one part, and William Henry Veno, of the other part, whereby the latter guarantees the subscription of the Shares now offered for a commission of 5 per cent. and an overriding commission of 2½ per cent., and in consideration of an option granted by the Company to him, and/or his nominee or nominees, at any time or times within three years from the date thereof to subscribe for shares in the Company at par up to a total of 185,000. Among such nominees are Mr. Kay and Mr. Midwood, who have each the right to subscrihe for 10,000 of such shares.

Mr. Veno has entered into various sub-underwriting agreements. Mr. Midwood, Mr. Kay, and Mr. Spencer have sub-underwritten 5,000, 2,000, and 2,000 shares respectively at a commission of 5 per cent.

Applications for Shares will duly be received on the terms of the Company's full prospectus, and should be made on the accompanying form, and forwarded to the Company's Bankers or any of their branches with a remittance for the amount payable on application. Where no allotment is made the deposit will be returned in full, and if the number of Shares allotted be less than that applied for the balance will be credited towards the amount payable on allotment. Failure to pay any instalment will render the allotment liahle to cancellation and previous instalments liable to forfeiture.

Share certificates will be issued as soon as possible after the payment of the last instalment.

A Brokerage of 3*d.* per share will be paid on all Shares allotted to the public on applications made on forms bearing the stamps of Bankers, Brokers, or recognised agents, other than applications made in direct relief of underwriting.

Applioation will in due oourse be made to the Committees of the London and Manchester Stock Exchanges for a settlement in and official quotation of the Shares now issued. The Memorandum and Articles of Assooiation and copies of the above-mentioned contracts can be inspected at the Offices of the Solicitors during business hours any day whilst the list remains open. Copies of this Prospectus and Application Forms can he obtained at the Offices of the Company, and also from the Company's Bankers, Brokers, and Solicitors.

Cut this form out and post it to Bank.

No.....

LANCASHIRE AUTOMATIC GLASS MANUFACTURING COMPANY LTI

FORM OF APPLICATION.

OFFER FOR SUBSCRIPTION OF

200,000 SHARES OF £1 EACH at par.

(Subject to the Directors' qualification and other shares for which the Memorandum of Association has been subscribed.)

To the Directors of

LANCASHIRE AUTOMATIC GLASS MANUFACTURING COMPANY LIMITED.

GENTLEMEN,—Having paid to your Bankers the sum of £....., being a deposit of 2/6 per Share application for..... .....Shares of £1 each of your Company, I/we request you to allot to me/us that number of Sha upon the terms of the Company's Prospectus and I/we hereby agree to accept the same or any smaller number that may be allotte me/us and to pay the balance of 17/6 per Share due from me/us by the instalments specified in the said Prospectus, and I/we autho you to place my/our name on the Register of Members of the Company as the holder (s) of the said Shares allotted to me/us, and I hereby declare that this application is not made by or for the benefit of an enemy subject within the meaning of the Trading with Enemy Amendment Act, 1916, or with whom trading is forbidden under any Proclamation relating to Trading with the Enemy.

PLEASE WRITE DISTINCTLY.

Usual Signature.....

Surname.....

Christian Name or Names .....

Address .....

.....

Profession or Occupation .....

(A Lady should state whether she is a Spinster, Wife, or Widow.)

Date.....*February*, 1920. .....

This Form to be filled up and sent to the Manchester and Liverpool District Banking Company Limited, Head Office. Spring Gard Manchester; 75 Cornhill, E.C.3; or any of their other branches, accompanied by a cheque, which should be made payable to Bea and crossed NOT NEGOTIABLE. If altered from "Order" to "Bearer" the alteration should be signed by the Drawer.

An acknowledgment will be forwarded in due course either by Allotment Letter or return of the deposit.

NEW PRICES

OF

Increased cost of manufacture compels a rise in the prices of "New-Skin" as follows:

	Retail Prices		Trade Prices
Pocket	Size 10½*d.*	Corresponding Increase in Trade Prices	8/5
Medium	,, 2/–		19/2
Physician's	,, 3/–		28/9½

£3 and upwards Carriage Paid.

MODERATE STOCKS ARE NOW IN HAND.

Order through your Wholesaler, or direct—

J. E. GARRATT,

96 SOUTHWARK STREET, LONDON, S.E.1.

BRUSHES for EXPORT

Lines found very suitable for high-grade

ENGLISH TRADE.

No. 675	Bone Handle	Per gross	26/-
,, 1151	Celluloid Handle	,, ,,	47/-
,, 1017	Bone Handle	,, ,,	37/-
,, 1709	Celluloid Handle	,, ,,	34/-
,, 1916	Bone Handle	,, ,,	59/-
,, 2204	,, ,,	,, ,,	70/-
,, 2205	,, ,,	,, ,,	71/-
,, 2706	,, ,,	,, ,,	82/-

C.I.F. Liverpool. Orders for a minimum of 120 gross (or 1 ton). Any decline in exchange below 2/6 per Y 1.00, or in freight rate, will correspondingly reduce C.I.F. price.

Quality absolutely guaranteed. Price firm till Dec. 1st. 10% up after that date. Cable your order and advice of credit, and forestall the increased price.

THE MUTUAL BRUSH CO.,

24 Nakayamate-dori 2-chome,

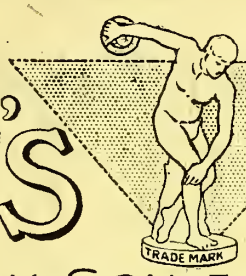
KOBE, JAPAN.

Cable Address: "SIMSLAND."
Codes: Bentley's, Western Union, ABC, 5th Edit.

Entirely British and American Owned.

"Your satisfaction means our success."

Maw's Page



S·MAW·SON & SONS·LTD
7/12, ALDERSGATE ST, LONDON, E.C.1., ENGLAND.

NO. 435
14 : 2 : 20

Wind and Rain

There never were such winds! That at least is how one feels about it in the midst of the gales we are now experiencing. Hats, umbrellas, tree-tops, chimney-pots—all have had to suffer the strenuous flirtations of King Boreas. (If Mr. Porta wasn't *quite* right about the world's end, he made a good guess about atmospheric disturbances.) And it's only February, with rude March in prospect!

It doesn't matter much to us mere men except if we're trying to read the *Times* in the street, but the ladies certainly do have a real grievance against the clerk of the weather. ("The weather simply ruins my complexion, my dear — my skin's as rough as rough," and so on and so forth).

That's where you come in, farseeing reader, for lo! does not cold cream come within your purview, and do not "wind and rain both rage in vain" when the damask cheek is protected and soothed by the emollient properties of cold cream—Eve's unfailing stand-by?

Please do not look askance at the frivolous manner of Discus, but really, beneath the persiflage, here is a sound suggestion for seasonable business.

There have been columns in the press about the heavy gales, why not paste a clipping on a piece of Bristol board and call attention to the fact that you can supply cold cream produced by the House of Maw to defend complexions against weather ravages?

In the preceding paragraph I've almost given you the wording for the show-card.

If your stock of cold cream is not quite complete, the House of Maw can soon make it so. I feel almost inclined to add that Franco-British keyword—Compree?

Discus

The "SAMSON" Series of Grey Bristle Nail Brushes

TO eliminate two of the worst troubles which are at present stopping production of Nail Brushes, we have introduced this new series. These Brushes are machine made, and every knot is guaranteed to be at least as securely fixed in place as any hand-drawn Brush. The bristle employed is a specially stiff grey, the wearing qualities of which we can most strongly recommend.

EVERY KNOT IS GUARANTEED.

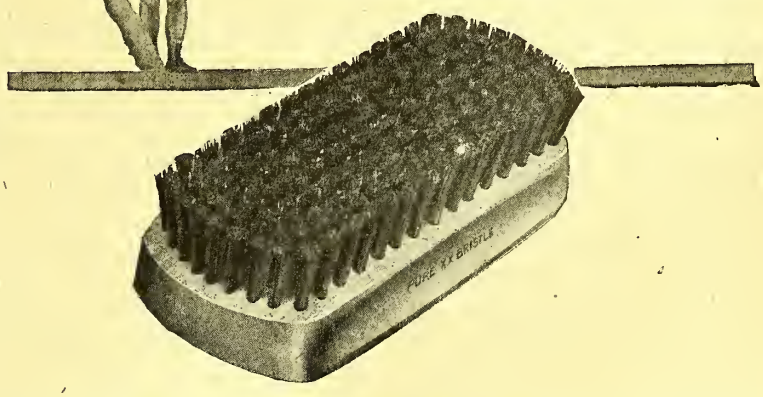
SOUND AND HONEST VALUE.

The Brush backs are well finished in quite a plain style, and are neither varnished nor polished. We strongly advise Pharmacists in search of an absolutely sound honest Brush of excellent value to give this series special consideration.

PRICES:

"SAMSON" SERIES NAIL BRUSHES

No.	XE 1	XE 2	XE 3	XE 4
Rows	Six	Seven	Eight	Nine
Dozen	27/-	30/-	33/-	36/-



MENNEN

A Guarantee of Purity, a Symbol of Quality, and a mark which ensures Complete Satisfaction.

"MENNEN" TOILET POWDER—known in trade circles as Mennen's "Standard"—the original talcum introduced for the special requirements of Babies' tender skins—in its enhanced popularity for general toilet and bath use—is still the "standard" selected and preferred by the discriminating purchaser.

"Mennen" Talcum Powder (the original borated formula) to meet individual selection, is also issued delicately perfumed as

"MENNEN" VIOLET TALCUM, "MENNEN" FLESH-TINT TALCUM,
and as
"MENNEN" FOR MEN.

Protected Selling Price ***1/3*** *per tin.*

10/9 *per doz., 3 dozen quantities 2½% discount, 1 gross 10% discount.*

"MENNEN" SHAVING CREAM. The latest shaving luxury; commends itself to profitable recommendation by the Pharmacist—from whom a qualified opinion is sought.

"Mennen" Shaving Cream has several essential features which distinguish it from others. It is just as efficacious with cold water as with hot. It holds three times as much moisture as any other lather. It will soften the toughest beard in three minutes without rubbing in.

Note particularly: "Mennen" supplied in an hermetically sealed tube *means* a shaving cream guaranteed for sale in perfect condition *always*. No deterioration—loss—no returns from customers—the confidence and satisfaction of the buyer who appreciates clean and hygienic methods of packing.

Supplied in new large size tubes.

Protected Selling Price ***1 9.***

16/6 *per dozen—3 dozen quantities 2½% discount, 1 gross 10% discount.*

"Mennen" Products—Carriage Paid on 3 dozen quantities in assortment. Minimum quantity one dozen of any one kind.

PRODUCTS OF THE MENNEN CO.

FASSETT & JOHNSON LTD.

86, CLERKENWELL ROAD, LONDON, E.C.1.

The cream of Dental Creams

in your own decorated Tube for quantities of 1 gross and upwards.

A Decorated Tube

Send us your printed label and we will submit a full sample tube of the Cream of Dental Creams and details of our proposition.

Representatives required for several districts.

Mr. J. G. Tringham has taken charge at our Sales and Publicity Depts., and he is keen on serving his customers in the future as always with good humour and better goods.

A p.c. will be appreciated.

The Last Squeeze

Labels come off tubes in use or they get dirty or sticky. A decorated tube retains its identity and its cleanliness to the last squeeze.

The Maclean way is the clean way!

Macleans Limited

6 Spring Street,
Paddington,
London, W.2.

Some Parents

should have christened their sons

"Ethelred."

You remember that Ethelred's second name was "*The Unready*"?

Well, there are too many Ethelreds to-day—some in the drug trade.

They are blind to opportunities, especially sane, sound, *reasonable* opportunities, such as Ucal.

They are *in* the age, but not *of* it.

Life is to them simply a procession of regrets—"If only I had known." This *always will be so* until they learn to use intelligent foresight—to estimate the future in terms of the past.

Such are the men who will eventually be shut out of Ucal.

Meanwhile, all but the "Ethelreds" are considering Ucal very earnestly indeed.

ARE YOU?

Ucal

The Sign of Reliability

UCAL, Cheltenham.

AYRTON'S WEEKLY PAGE 15

Three points why "Eagle" Dyes are Superior

First, **permanency**. "Eagle" Dyes are guaranteed absolutely fast, and contain the necessary ingredients to make the colour set fast on the fabric.

Second, **solubility.** "Eagle" Dyes when prepared and used according to directions are entirely soluble and will not give that mottled appearance due to undissolved particles which cause irregular dyeing.

Third, **colour.** "Eagle" Dyes do not dye half tones, but full, rich shades, bright and clear. They are manufactured in all the standard colours.

"Eagle" Dyes

ALL SHADES
PACKED ONE GROSS IN HANDSOME OUTER

For Wool and Silk.
For Cotton.

P.A.T.A. PRICES—
Retail - 7½d. per packet
Wholesale 60/- per gross

AYRTON, SAUNDERS & Co LTD LIVERPOOL

MAINTAIN YOUR PROFITS!

There is no need to reduce them!

125%

is the return for you on

REGISTERED TRADE MARK

ŌSYL TOOTH POWDER P.A.T.A. 7½d.

Make your order out as below and send on to us for the SPECIAL WINDOW SHOW PARCEL

Please send me, carriage paid, with Window display matter:

7½d. ŌSYL TOOTH POWDER at **59/6** per gross.

7½d. ŌSYL TOOTH PASTE „ **67/6** „ „

1/3 ŌSYL TOOTH PASTE „ **135/-** „ „

with bonus of ½ **quantity** ordered on three dozen lots, for which I enclose cash and undertake to make counter and window display in return for above special terms.

LYSOL LTD., STRATFORD, LONDON, E.15.

Sugars for Bacteriological and other purposes

IN the Garden Laboratories at Bardsley Vale a series of absolutely pure sugars is prepared for bacteriological cultures, injection or other purposes. Prices, samples and other particulars of the following will be sent to responsible inquirers on request :—

(a) Monosaccharides.

Dextrose (Glucose).
For artificial feeding by injection, and for the preparation of media for the cultivation of anaerobic bacteria.

Laevulose (Fructose).
A stronger sweetening agent than cane sugar, especially suitable for diabetics.

Galactose
For bacteriological purposes.

(b) Disaccharides.

Maltose.
Pure malt sugar for use in bacteriological work, and for the feeding of tuberculous children.

Saccharose.
Purified cane sugar indicated in heart failure, infantile dyspepsia, etc.

Lactose.
Pure milk sugar, used for weakly children and in the preparation of cultures for anaerobic bacteria.

(c) Polysaccharides.

Inulin.
For bacteriological diagnosis. An intermediate in the production of Laevulose.

Dextrin.
True Malto-Dextrin free from Dextrose and starch (Specific Rotation + 181°).

(d) Sugar Alcohols.

Mannitol.
For spinal injection in local anaesthesia and for bacteriological cultures.

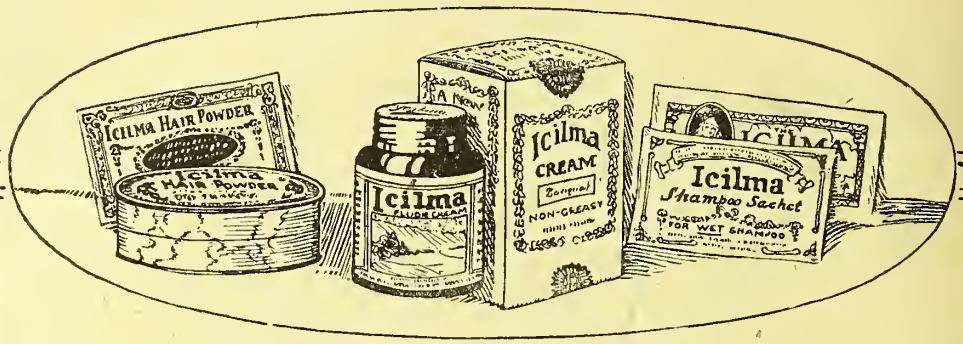
Dulcitol.
As originally prepared by us in connection with the inoculation of troops against typhoid during the war.

Also sole makers of **Kerocain** Kerfoot's Novocain the British non-toxic, non-irritant local anaesthetic now used in all parts of the world.

There is a fresh Kerfoot announcement in "The Chemist & Druggist" every week, usually on page 17.

THOMAS KERFOOT & Co LTD
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1767.

COPYRIGHT



Hand over the goods —that's all

—and get good profits.

Icilma Toilet Preparations are "sold" before you get them. This is the reason. Our national advertising goes on month by month educating the old and new users—ever pointing out by honest statement how immeasurably superior Icilma Toilet Preparations are to any others.

The effect of this is that you have only to hand out the goods when asked, and if you assist by *displaying Icilma Toilet Preparations in your window*, you get unusually good profits.

Frankly, we consider Icilma Toilet Preparations are the finest toilet preparations on the market. We search the world for the purest possible materials—we spare no pains in manufacture—and we pack the finished article attractively. To this, our advertising, and your co-operation, we attribute our world-wide success.

Price Lists and full details of display terms post free on request.

Icilma

Toilet Preparations

Stock our goods and share our success.

Pre-War Quality Guaranteed

International Icilma Trading Co., Ltd., 37, 39, 41, 43, King's Road, St. Pancras, London, N.W.1

T24.—14.2.20

IT IS GOOD BUSINESS TO SHOW

POUDRE IMPERIA COMPACTE

Suggest to your DARK customers RACHEL and ROUGE BRUNETTE for attractive results.

Recommend your FAIR customers to buy ROUGE BRUNETTE and NATURELLE the two combined produce most artistic effects.

FACSIMILE OF SHOWCARD—
ONE OF OUR SELLING HELPS.

P.160/1, 7/6 per doz. Retails 1/- P.160/3, in dainty gold lacquer vanity boxes, with mirror and puff, 10/6 per doz. Retails 1/6—2/-

THE EMPIRE PERFUMERY CO.

(Cuxson, Gerrard & Co. Ltd., Proprietors)

OLDBURY, ENG.

EXPORT AND COLONIAL INQUIRIES INVITED.

TOILET PREPARATIONS

that will increase your business—your profits and your reputation.

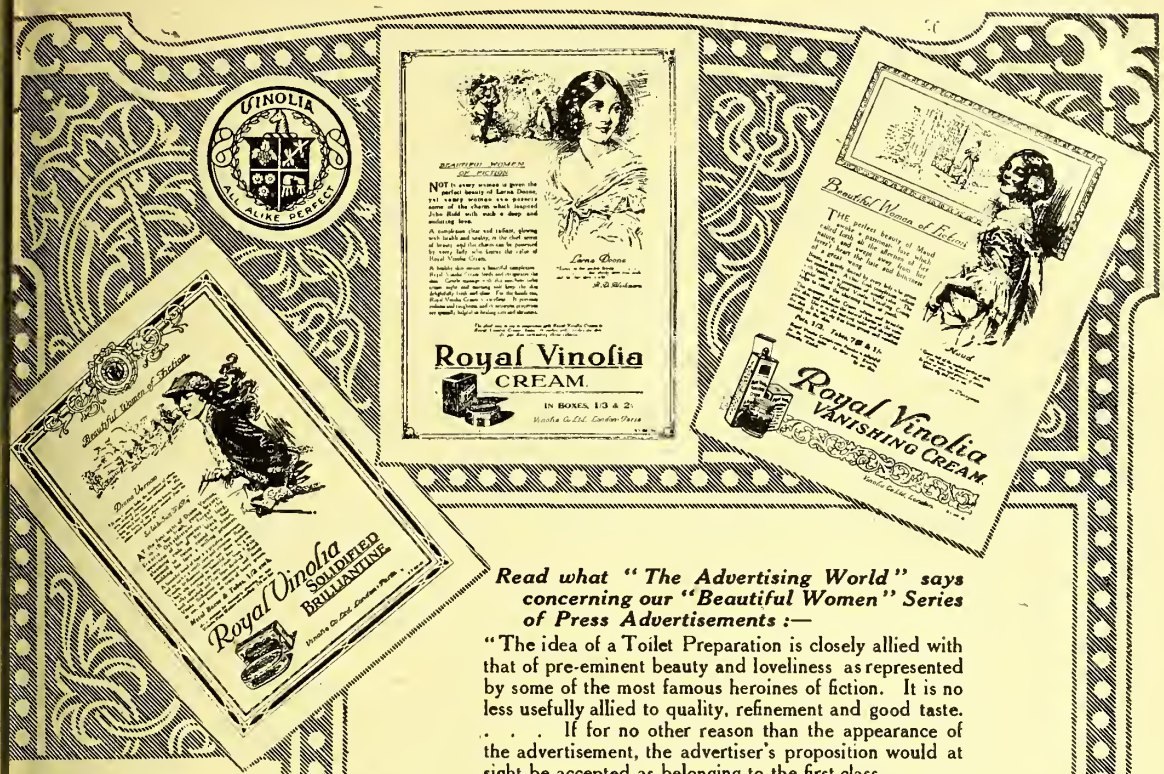
The get-up, the quality, and the prices are all such as appeal to the up-to-date Pharmacist.

A complete range of the best selling lines—uniformly labelled—enabling an attractive and extensive window display to be made with only a few of each preparation. Your name and address on the labels free of charge.

A postcard will bring a sample of any one of the undermentioned articles, a complete set of labels, price list and our special offer of a handwritten showcard.

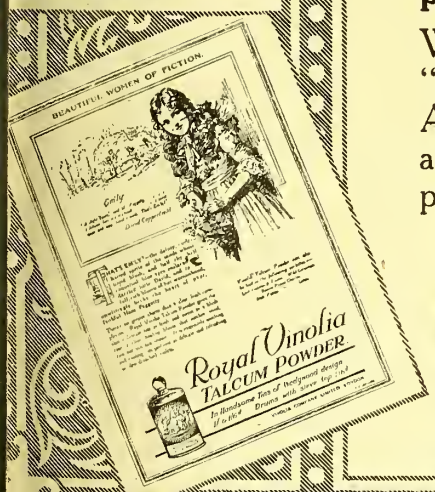
Brilliantines (clear or with spirit). Bay Rum. Toilet Paraffin. Bay Rum and Cantharides. Violet Oil. Hair Cream. Dry Shampoo (liquid). Cold Cream. Hair Tonic. Skin Cream. Shampoo Powders (Wet, Dry and Henna). Solidified Brilliantine. Lime Cream.

RAYMET & CO., LTD. 507-509 HARROW ROAD, LONDON, W.10.



Read what "The Advertising World" says concerning our "Beautiful Women" Series of Press Advertisements :—

"The idea of a Toilet Preparation is closely allied with that of pre-eminent beauty and loveliness as represented by some of the most famous heroines of fiction. It is no less usefully allied to quality, refinement and good taste. . . . If for no other reason than the appearance of the advertisement, the advertiser's proposition would at sight be accepted as belonging to the first class. . . . The salesman is able to explain to the friendly instead of having to arouse the uninterested."



YOU get the advantage of this extensive Press Advertising when you handle the products of the Vinolia Company. The high quality of their Toilet Preparations, coupled with continuous advertising in the best papers in the country, has given them a foremost place in public favour and esteem.

We show specimens on this page of the "Beautiful Women" Series of Press Advertisements with which we are assisting the sales of our customers at the present time. It is good business to stock

ROYAL VINOLIA

VINOLIA COMPANY LIMITED, LONDON.

RV 418—29

'KOPATINE'—93% on outla

Kopatine preparations for the hair are advertised in a large number of papers including the Daily Mirror, Picture Show, Lady, Queen, Eve, etc. From this advertising a demand is springing up in all parts of the country. To induce you to take up a small stock and be in a position to supply, we are making you the following special bonus offer.

	Cost. £ s. d.	Sells for £ s. d.
6/12 Instantaneous 6/6 ...	1 4 0	1 19 0
3/12 ,, 10/6 ...	19 6	1 11 6
3/12 Al-Khanna 6/6 ...	12 0	19 9
	2 15 6	
3¾ per cent. Cash discount	2 1	
	£2 13 5	
FREE.		
1 doz. No. 1		3 0
½ doz. No. 2		6 0
¼ doz. K.C. Dental Cream ...		3 9
		£5 2 9

Outlay £2 13s. 5d. Profit £2 9s. 4d.
Practically 100 per cent.

Kopatine Instantaneous.—A liquid hair colouring (6 primary shades from blonde to black). Retails at **6/6** per case.

Kopatine Al-Khanna.—A permanent henna basis hair colouring shampoo. Retails at **6/6** per case.

Kopatine No. 2.—A splendid henna shampoo. Retails at **1/-** per packet.

Kopatine No. 1.—A high-class plain shampoo. Retails at **3d.** per packet.

To get your share of this growing trade you should take advantage of this offer to-day. Smaller quantities obtained from Osborne, Garrett & Co., or from the usual Wholesalers, or direct from—

Kopatine Cie (Dept. 22), 34 Buckingham Palace Road
London, S.W. 1. Telephone: Victoria 2648.

For LARGE BUYERS **For SHIPPER**

Good Toilet Goods

SHAVING STICKS, BRILLIANTINES, DRY SHAMPOO (Liquid and Powder), BAY RUMS, TOILET PARAFFINS, LIME CREAMS, POMADE HONGROISE, TOOTH POWDERS, DENTAL CREAMS, VANISHING CREAMS, SHAMPOO POWDERS, and all TOILET GOODS.

SAMPLES AVAILABLE.

C. A. STOKES & CO., Ltd., 11 Eclipsol Works, BRISTO

LOTOZONE

SHAMPOO DE LUXE

A superior tonic and hygienic Shampoo at a popular price. Packed in dainty slide cartons. Elegant in appearance and delightful in use. Perfumed with Irish Elegance. Counter boxes supplied.

Full particulars on requ

TOILET PREPARATIONS

LOTOZONE TOOTH PASTE
LOTOZONE CREAM
LOTOZONE FACE POWDER
LOTOZONE POWDER PAPER

The new Shampoo Salesman, ready January 1st, 1920, gives full details of prices and profit.

THE EVAN WILLIAMS COMPANY, LIMITED, 18 Ogle Street, LONDON, W.

There are many cheaper Creams than Tokalon —but your Customers don't want them. There may be better Creams than Tokalon —but just try to find them!

CRÈME TOKALON

PRICES 1/3 & 2/-

With the help of our advertising, you, Mr. Chemist, have to sell Tokalon cream and powder to your customer the first time, but from then onward they sell themselves. After once testing these remarkable products the customer will not feel satisfied with any others.

Why it is that Elsie Janis finds Crème Tokalon so different from all others.

Crème Tokalon imparts marvellous beauty to the complexion because it contains buttermilk and other skin-preserving and nourishing ingredients found in no other Cream.

COMPLEXION PERFECTION is merely a matter of using CRÈME TOKALON (Pronounced Toke-a-lon)

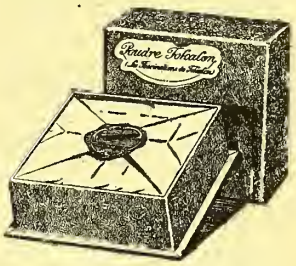
What Elsie Janis says about

CRÈME TOKALON & POUDRE TOKALON.

"Carefully choose a good cream and a good powder, both made by a responsible manufacturer. Try them carefully, noting the exact effects. If satisfactory adopt them for regular use and never touch any others. I even advise going so far as to have cream and powder analysed by an expert chemist. This will be somewhat costly at first, but it may save you money in the end. It may even save your complexion. The cream must not only be absolutely pure, but it should be non-greasy. The powder should be of extreme fineness. I personally use Crème Tokalon and Poudre Tokalon. No one could ever persuade me to use any others."

Elsie Janis

POUDRE TOKALON



PRICES 1/9 & 2/11.
In compressed form (Comprimes) 1/3 each.

Our goods, bought on best terms, Show you 57% PROFIT on your Outlay.

Show-Cards sent free on request.

Carriage Paid on all Orders for 3 doz. or over.

Why it is that Elsie Janis finds Poudre Tokalon so different from all others.

The extreme fineness of Poudre Tokalon, as mentioned by Elsie Janis in her letter, is produced by the "air-floating" process which we use exclusively in manufacturing the powder.

YOU SHOULD ALWAYS KEEP THESE TWO QUICK-SELLING LINES IN STOCK.

TOKALON LIMITED, 212-214, Great Portland Street, London, W.

Violiv

Why not Test what you Sell?

By Trebor.

Has it ever occurred to you as a selling point in your business, to TEST, personally, new products?

When this query is fully considered, you will agree there is much to be said for such testing.

When the goods are right—have passed your tests—you can then in all confidence recommend those brands.

Your sales will improve—your business will grow because your customers will feel they can take your advice in confidence. Which, you will agree, means very good business.

VIOLIV ICE

should be tested NOW—you will find there is everything in its favour as a quick-selling line during the uncertain days to come before Spring merges into Summer.

And, on outlay, you benefit to the extent of 88 per cent.

Send P.O. to-day for £1 15s. 2d By return of post you will receive 1 gross tablets plus 3 dozen bonus free. It retails at the popular price of 4½d.—an easy price for an easy seller. It sells at sight—as it cures at night.

VIOLIV MFG. CO.
26 Haymarket Terrace, Edinburgh.

Selling Agents for England & Ireland, Pattinson & Mackie, Ltd., Albion House, 59 New Oxford St., London, W.C. 1.

V15 NorAd

Please Note Alteration in ADDRESS.

Cold Cream

IN POTS, TINS, OR BULK.

ABSOLUTELY DEPENDABLE.
BRINGS REPEATS EVERY DAY.

Lavender Ice

FOR CHAPPED HANDS

A QUICK WINTER SELLER.

ALSO

Lanoline Cream, Lip Salve, Camphor Ice, Tooth Powders, Brilliantines, &c.

Samples free on application to

The Casson Chemical Co., Ltd.,
NEWTON RD., WESTBOURNE GROVE, W.2
Phone: Park 2884.

Profit by the Growing Demand *for* Snowfire.

Large numbers of women doing outdoor or indoor work are buying Snowfire regularly. They have discovered its cleansing, softening and beautifying influence upon the skin—how it keeps the hands white and dainty.

Snowfire

TABLETS

Sell freely all the year round. Specially valuable in Winter for Chapped Hands, Cracked Lips, or Roughened and Irritated Skin.

Well advertised. Shows good profits. Attractive publicity matter free. Goods carriage paid to your door. For Price List write

F. W. Hampshire & Co. Ltd.
RIVERSIDE WORKS, DERBY

Veldt Cream

LABEL-TITLE. COPYRIGHT

(Pre-War Quality.)

The following advertisement will appear regularly in the Daily Press.

THE PHANTOM GARDEN! In and around the "Veldt" Laboratory the air is laden with the odour of freshly gathered violets. To impart this to the skin use the de luxe hand and arm whitener called "Veldt" Cream, which also makes chapped skin as smooth as alabaster. Shilling bottles, all chemists.

Orders executed in strict rotation by

THE "VELDT" LABORATORY,
LOUTH, ENGLAND,
or through
AYRTON, SAUNDERS & CO., LTD., LIVERPOOL.

MOUSLEY'S "BEAVERPUF"

Patent Nos. 4931 and 4932.

The Ladies' Natty Friend.

B. quality Brown Fur, 3/11 each, Retail.

G. quality Grey Fur, 4/6 each, Retail.

Additional Powder Bags, 6d. each, Retail.

Revolution in Powder Puff Manufacture.
Thousands already sold.
Now stocked by leading Wholesale Houses.
Usual Trade Discounts.

Patentee and Sole Manufacturer:

F. A. MOUSLEY,
Priest Bridge, Mortlake, London, S.W.14.

SOLID BRILLIANTINE

No. 3394.
In Green Enamelled Oval Tin Boxes. Assorted Odours.
7/6 doz.

No. 3171.
In Green Enamelled Square Tin Boxes. Assorted Odours.
5/6 doz.

Customer's name free on 3 dozen of a kind.

Subject to Usual Terms.

Manufactured by

WILLIAM TOOGOOD, LTD.
77 Southwark Street,
LONDON, S.E. 1.

"CINEMA"

Crushed-Rose

FACE POWDER

WILL MAKE YOUR FACE A PICTURE of natural Beauty

250

PER CENT.

PROFIT

An unprecedented offer made with a view to more business with you.

Copyright in all countries by the "Cinema" Soap Co., London.

Send your Cheque for £2 . 2 . 0 for one gross of 6d. "Cinema" Face Powder and we will send you free of charge one gross of 6d. "Cinema" Dentifrice, complete with sale cards, carriage paid.

£7 . 4 . 0 for £2 . 2 . 0 DO NOT MISS THIS OFFER.

Never before in the history of advertised proprietaries has such an offer been made. There is only one condition, that is, you MUST promise when sending your cheque NOT to cut the selling price of 6d. We do not allow cutting.

This offer is for a limited period only. Cross cheques and make them payable to—

THE "CINEMA" SOAP CO. (Desk 16)

22 Finsbury Park Road - - LONDON, N. 4.

Phone: 3150 Mayfair.

Enolin

TOOTH PASTE

"STRONG" OR "MILD"

THE SUPER PASTE

"ENOLIN" IS ALSO SUPPLIED IN POWDER FORM, 6d. and 1s. TINS.

SOLE MANUFACTURERS & PROPRIETORS:

A. & E. CARRERAS, *Perfumers,*

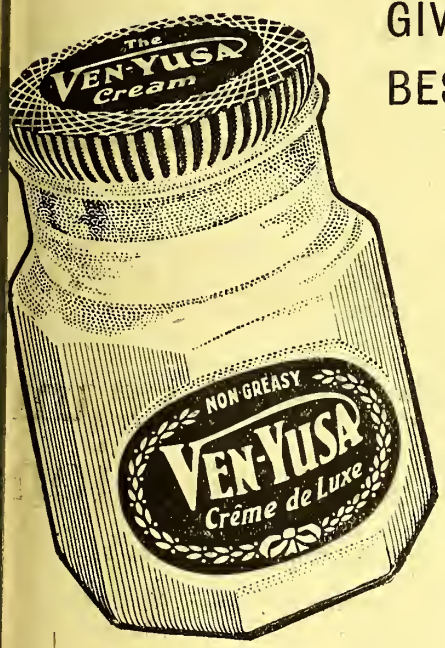
207 King St., Hammersmith, London, W.6.

Selling Agents for Provinces, Ireland and Export:
Messrs. Pattinson & Mackie, Ltd.
Albion House, 59 New Oxford Street, London, W.C.1.

THE ONLY POPULAR SHILLING FACE CREAM ON THE MARKET

Ven-Yusa Cream

IS STILL ONE SHILLING.
GIVES YOU 33⅓% PROFIT ON SALE
BEST TERMS FOR **50/-** PARCEL



DAINTY AND ATTRACTIVE FOR THE COUNTER.

BEAUTIFUL SHOWCARDS SUPPLIED.

Any War Packages (Plain Corks) exchanged Free of Cost.

Write for Window-Show Terms to

C. E. FULFORD, Ltd.

CARLTON HILL, LEEDS.

TOILET GOODS

PACKED IN

COLLAPSIBLE TUBES.

White "X" Series.

	4 × ¾	4 × 1
Toilet Lanoline ...	4/3	6/9
Antiseptic Honey Jelly	4/3	6/9
Milk of Cucumber ...	4/3	6/9
Oatmeal Cream ...	4/3	6/9
Witch Hazel Cream ...	4/3	6/9
Best Cold Cream ...	5/6	7/9

TOOTH PASTES

(White "X")

Cherry, Areca Nut, White Rose, Carbolic, Formalin and Mint, Thymol, etc. — 4/3 6/9

If each in a carton, 6/- per gross extra.

SPECIAL LINE

SPLENDID SELLER.

Antiseptic Tooth Paste 5/3 dozen (White "X") each in carton.

Pomade Hongroise, 4×¾ 4/3 doz.

Special Quotations for Quantities.

"X Series" TIN BOXES

In Variety. *Inquiries Esteemed.*

THE

Chemists' Manufacturing Co., Ltd.

WITH WHICH IS INCORPORATED

SHIRLEY BROS.

Whitecross Works,

123/125 Newington Causeway - - S.E.1.

PROTECTS from all weathers, preserves the COMPLEXION

MOKOL SOFTENS ROUGH HANDS FACE CREAM FOR THE SKIN **MOKO**

Reg. INDISPENSABLE IN THE HOME Reg.

For LIBERAL Wholesale Terms write to—

THE MOKOL CO., 98 Hatton Garden, London, E.

The Evan-William

Always in Great Demand.
Price List on Application.

The Evan-Williams Co., Ltd., 18, Ogl Street, W

ORIGINAL HENNA SHAMPO

The Dye with a Reputation for reliability.

ROYAL COURT HAIR DY

SEVEN SHADES.

1/6 size 12/- doz. 2/6 size 18/- doz. P.A.T.

The only dye giving a natural gloss to the hair.

From all wholesalers or direct

J. KNOX-WALKER & Co., Ltd., 422 Kingsland Rd., London E

NAIL FILES, SCISSORS, CLIPPERS, INSTRUMENTS.

—TWEEZERS & FORCEPS.—

Special quotations to large buyers.

HENRY W. SCURR, HENRY RD., SLOUG

"Newberys"

FRANCIS NEWBERY & SONS L^TD

Dental Cream *of* Distinction

IN THE FOLLOWING FLAVOURS—

Formalin & Mint *Carbolic*
Oxygen *Smokers'*
Areca *Thymol*
Cherry

A first-class article, attractively packed—which cannot fail to bring repeats.

CHARTERHOUSE SQUARE, LONDON, E.C. 1

Think it over!

THESE ARE JUST THE LINES YOU WANT.

"Leona" Series are of tip-top quality, beautifully packed, well advertised, leave you a good profit, and are on the P.A.T.A.

"LEONA" DENTAL CREAM

(Mint or Thymol)

Small Size ... Cost 4/6 per dozen Sell @ 7½d.
Large Size ... „ 8/- „ „ „ @ 1/3

Recommended by the Institute of Hygiene.

"LEONA" CREME DE BEAUTE

Cost 12/- per dozen Sell @ 1/6

A Delightfully Perfumed Vanishing Cream packed in handsome 2-oz. opal pots.

"LEONA" BRILLIANTINE (SOLIDIFIED)

Cost 8/6 per dozen Sell @ 1/-

Packed in beautifully embossed tins and cartons.

POUDRE "LEONA"

Cost 8/- per dozen Sell @ 1/-

Richly perfumed and packed in gold-blocked boxes.

Every Line is a work of art.

Ask your wholesaler to show them to you, and

YOU WON'T REGRET IT

Sole Manufacturers and Proprietors—

THE JACKSON CO., 172 St. JOHN STREET, LONDON. E.C. 1.

STAND No. N 31

(British Industries Fair)

WHOLESALE HOUSES ONLY SUPPLIED

SEE OUR EXHIBIT

of LONDON - MADE
NON-INFLAMMABLE

DRESSING COMBS
MANICURE SETS
BRUSH BACKS
Hair Novelties, Etc.

MYERS, LUMOS & CO.

MANUFACTURERS.

Factories: ISLINGTON and FINSBURY PARK

Sales Offices: 35/36 Aldermanbury, LONDON, E.C. 2

Phone. 3526 City (3 lines).

A line worth handling

"Balmoline" is booming. One agent sold 5 gross in 6 months. Another agent writes "Repeat last order, Balmoline is good stuff."

"Balmoline" is the new idea in toilet delight, and is

A good article, well advertised, and bearing a good profit.

"Balmoline" is neatly and attractively packed, and is a high-class product which is now being steadily advertised in the press.

Price 10/- per dozen.

On 6 dozen order a bonus of one dozen and free advertisements in your local paper.

BALMOLINE

Sells at 1/3.

Carriage paid on all quantities. Plenty of show matter and advertising material supplied. Send for particulars of "Balmoline" at once, it is a sure repeater, sells itself and brings a handsome profit.

The Balmoline Manufacturing Co.
10 Railway Street, Chatham

THREE GOOD SELLERS THAT PAY WELL

FROZOCLONE

(The original solid Eau de Colcgne).

(Regd.)

THE WORLD'S GREAT PERFUME AND REFRESHER IN SOLID FORM

Retails (P.A.T.A.) Minimum · 3/- giving at least **10d.** Profit on each sale.

26/- · · per doz.

FROZOCLONE is a convenient form of the finest Eau de Cologne, refreshing when rubbed on the forehead, equally pleasant as a smelling bottle, invaluable in a heated atmosphere and when motoring.

CARNATE (Regd).

A NAIL POLISH PASTE with new and distinctive features. Antiseptic—Softens the cuticle—Brilliant and lasting polish.

Retails (P.A.T.A.) minimum **1/6**; **12/-** per doz.

ANALAX

(Reg. Pat. No. 310716)

The Ideal Fruity Laxative in Pastille Form.
DELICIOUS. RELIABLE. EFFECTIVE.

Retail (P.A.T.A) Minimum **2/3** **21/-** per doz., stamped.

R. DEMUTH'S LABORATORIES,

68 Salusbury Road and Montrose Avenue, LONDON, N.W. 6

Telegraphic Address: "Boulbene London."

Telephone: 525 Willesden.

HOVENDEN'S *Popular* TOILET PREPARATIONS

THREE STAR.

No. 1497.
6/-, 29/- & 53/- Doz.

FLORAL HAIR CREAM.

Fixes and Imparts Brilliancy to the Hair and is Non-Greasy.

WHITE OR VIOLET.

A Preparation now in Great Demand

No. 4620.
12/6 per doz.

An Extra Bottle as every dozen of the

and Rising in Popularity.

No. 4619.
7/- per doz.

Bonus given with No. 4620 size.

FOUR STAR.

No. 4707.
44/- & 81/- Doz.

OUDRE COMPACTE PARISIENNE.

SHADES: Blanche, Rachel, Naturelle, Rose, Brunette.
108/- Gross; 9/6 Doz.

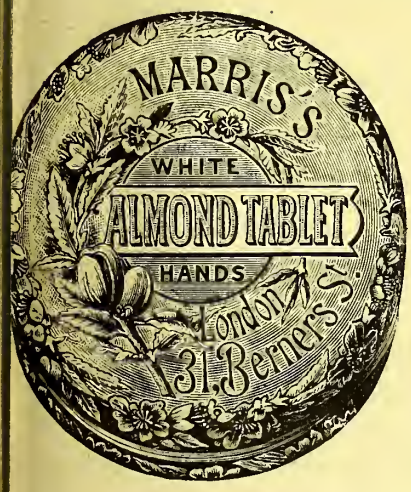
MME. STE. CROIX'S POWDER BOOKS.

SHADES: Rose, Naturelle, Rachel, Blanche.

40/- Gross; 3/6 Doz.

MME. STE. CROIX'S POUDRE DE RIZ.

SHADES: Rose, Naturelle, Rachel, Blanche, Assorted Perfumes.
80/- Gross; 7/- Doz.



MARRIS'S ALMOND TABLETS.

In use over 30 Years.

Invaluable for Chapped Hands and Lips. Will improve the appearance of the Hands, however neglected they may have been. Each Tablet is put up in an Artistic Enamelled Box, as illustration. We shall be pleased to supply Showcards.

-/9 box, 5/6 per dozen; 1/3 box, 9/9.

Subject to 2½% Cash Discount. A copy of our Monthly Illustrated List will be sent on application.

R. HOVENDEN & SONS, Ltd.

29, 30, 31, 32 & 33 BERNERS ST., OXFORD ST., LONDON, W.1.
Tel. No : Museum 2810 (3 lines).
And 89, 91, 93 & 95 CITY RD., FINSBURY, LONDON, E.C.1.
Tel. No.: London Wall 6260 (2 lines).
***Factory :* 41 to 53 BRITANNIA ROW, ISLINGTON, N.**

WAVCURL

THIS article has now been sufficiently long before the public to enable them to sample its merits. This the public have done on a large scale, and many delighted users have come again and again to the retailers they buy from for further supplies. The demand has been extraordinary. At first the proprietors tried to cope with it per post, but they soon saw that this was too cumbersome and tedious a method, and they are now gladly availing themselves of the services of the trade. Wavcurl is a first-class seller and a first-class payer, too. The profits are all they should be on a toilet line, as any reader can see for himself in the P.A.T.A. Protected List. Forty per cent (40%) should surely awaken your interest, especially in a line that sells at sight. All classes of ladies, from the titled dame to the busy factory worker, are using it as their readiest means of keeping themselves attractive, notwithstanding the great demand there is just now upon their time. To the user it is a great time-saver; to the seller, a great money-maker. We invite your application for Showcards and Dummies for window-dressing. A Wavcurl window-show in an industrial or factory area will simply make the shillings shower into your till. Address post card to

THE WAVCURL CO.,

FULWCOD HOUSE, HIGH HOLBORN, W.C. 1

	Per doz.
1/6 Wavcurl (in packets) ...	9/-
2/9 Wavcurl (in bottles) ...	21/-
1/6 Complexion Cream ...	10/-
2d. Shampoo Powder ...	15/- gross.

	Per doz.
1/6 Duvetine (Superfluous Hair Remover) ...	9/-
1/6 Wavcurl Hair Tonic (9 in Powdered Form)	9/-
1/6 Eyelashine	9/-
Showcards for Window } Dummies for Show }	no charge

Agents: PARIS.—A. W. Scott, 38 Rue du Mont Thabor. CANADA.—W. W. Barry, 1 Port Street, Montreal.

PROPRIETOR — A.H. GLOVER.

Best Delphinus MFG.CO. British

TRADE MARK.

SPECIALITIES

Nail Polish, Antiseptic
Cloth Cleaner, Styptic Pencils &
Solidified Brilliantine, Shaving Blocks,
Dental Cream, Pomade Hongroise,
Bay Rum, Dry Shampoo,
Etc.

Maximum Quality! Minimum Cost!

Exports to all parts. Enquiries invited.

CABLEGRAMS HONGROISE BRIGHTON.

TELEGRAMS

45 Edward St., Brighton.

COPYRIGHT.

OVER 100 % PROFIT ENSURED & PROTECTED (P.A.T.A.)
for sellers of

Laurence's Hair Dyes

One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

ize.	Minimum retail.	Minimum wholesale.	
- ...	1/- ...	7/6	per doz, less 5% discount.
/6 ...	1/6 ...	9/-	
/6 ...	2/6 ...	15/-	
/6 ...	3/6 ...	21/-	

SPECIAL BONUS

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).
Do. 6 doz. do. 8 bottles gratis.
Do. 12 doz. do 18 bottles gratis.
Equivalent in the case of the size in most general demand, viz. 1/6 size, to 4/6, 12/- and 27/- respectively.

SOLE PROPRIETORS—
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DEVON WHARF,
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A strong counter line

Women are usually your best customers and make the most of the purchases. It is always profitable, therefore, to suit their requirements.
At the moment Women are taking greater care of their personal appearance, and more particularly to the care of their hair, than ever before in history.
If you stock Camilatone specialities you will develop a big Counter trade with the ladies, for it will restore dark or dull hair to its original beauty and glossiness, in fact we can say without exaggeration that it will give to women's hair all the glorious tints of youth.
Write to-day for a copy of the booklet "Hair Beauty Hints," which will be sent post free with full particulars and Trade Terms for our specialities, including Camilatone Tonic Shampoos.

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Puts Sunshine in the Hair

IT IS SIMPLE TO SELL, SHOWS A GOOD MARGIN OF PROFIT, WE ASSIST YOU IN DEVELOPING THE BUSINESS, AND HELP YOU WITH OUR VIGOROUS ADVERTISING.

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LIMITED

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Toilet Specialities.

	Price per doz. to Retailer.	Selling Price P.A.T.A.
PILENTA SOAP - A complexion soap.	10/-	1/-
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BORANIUM - - A hair tonic.	22/6	2/6
CLEMINITE - - For a face lotion.	22/6	2/6
COLLIANDUM - - For a face tint.	22/6	2/6
PERGOL - - - A deodorant.	22/6	2/6
STALLAX - - - For a shampoo	22/6	2/6
JETTALINE - - For clearing the skin.	31/6	3/6
PHEMINOL - - A depilatory.	36/-	4/-
MENNALINE - - For the eyelashes.	36/-	4/-
MERCOLIZED WAX A face cream.	31/6	3/6
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BARSYDE - - - Dandruff eradicator.	22/6	2/6
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MADE IN TWO COLOURS,
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Kraska Nail Polish ...	small	9/6	per doz.	Retail 1/2	each.
,, ,, ,,	...medium	12/6	... ...	1/8	,,
,, ,, ,, ...	large	19/-	... ...	2/9	,,
,, Hand Balm ...		10/-	... ...	1/2	,,
,, Bleaching Fluid		10/-	... ...	1/2	,,
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Obtainable at All Wholesale Houses.

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50% ON COST
33⅓% ON SALES

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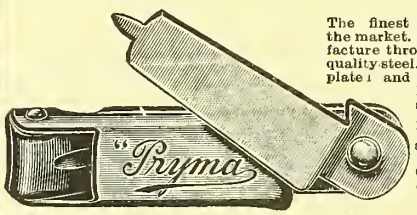

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The AMAMI Way to MANICURE

COUNTER DISPLAY BOX.

Ask your Wholesaler for Showcards.

FIRST file with long **EMERY BOARD** (12/- a doz.), then soak in **AMAMI LIQUID SOAP** (12/- a doz.), clean under the nail with an **ORANGE STICK** (12/- a doz.), dipped in **CLEANSING FLUID** 12/- a doz.), push back cuticle with an orange stick dipped in **CUTICLE CREAM** (8/- a doz.), remove loose cuticle with **CUTICLE FLUID** (12/- a doz.), tint with **RUBY COSMETIQUE** (12/- a doz.), polish with **POLISHING CREAM** (12/- a doz.), or **NAIL CRAYON** (6/- a doz.), or **NAIL POWDER** (12/- a doz.), and cover with **VARNISH** (12/- a dozen); whiten hands with **SUC DE GARDENIA** (20/- a doz.).

10/- CASH BONUS for a £5 WINDOW DISPLAY.

COUNTER DISPLAY BOX FREE.

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NOW SUPPLIED IN
ALUMINIUM
SCREW-CAPPED JARS.

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Direct orders value **£5**, subject to 1 doz. 1/3 size Bonus for window display and 5% discount cash, one month; **£2/10/0** subject to ½-doz. 1/3 size Bonus for window display, net.; **£1/10/0** subject to ½-doz. 1/3 size Bonus for window display, net. Carriage paid on **£1/10 0** upwards.

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Oasis Toilet Preparations.

This exclusive series of dainty aids to the toilet constitute a selling line without equal. Their attractive appearance immediately claims the attention of customers who find them to be of such excellence that they quickly repeat. The terms leave a handsome margin to you for selling. These preparations are being extensively advertised in the best high-class illustrateds and magazines, etc.

YOUR WHOLESALER WILL SHOW YOU SAMPLES, OR OUR REPRESENTATIVE WILL BE PLEASED TO CALL UPON YOU WITH A FULL RANGE.

"Oasis" Dainty Toilet Aids for Discriminating Folk. (1)

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Caustic Pencils. Capping Skins.
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All Manicure Requisites.

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We can also offer to advantage Perfumery in Bulk in two qualities—Essential Oils of guaranteed purity; Floral Ottos for Cachous, &c.; Fruit and Soluble Essences, Chemicals, &c.

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One volume of Concentrated Essence added to 100 volumes of Syrup and Spirit (full directions given) will produce the corresponding liqueur, almost indistinguishable from the genuine liqueurs and at a cost which is almost nominal compared with the present extravagant figures quoted for the various liqueurs, e.g. a large bottle of Benedictine is now worth about £5.

Price is in each case 7/6 per ounce (special for large quantity), except in the case of Cognac which is double the strength (1 volume to 200 volumes), the price being 15/- oz.

SPECIAL OFFER.—To introduce these goods we will send at present on receipt of 30/-, four ounces assorted, free of all charges, to any country in the Postal Union.

Cognac :: Curaçoa :: Kirsch :: Kümmel Maraschino :: Vermouth

Concentrated Essences for Liqueurs of the Benedictine and Chartreuse types at the above price, but these words being registered, it must be distinctly understood that the Essences do not profess to make the genuine liqueurs, neither must the liqueurs be sold under these names, nor the packages or "get-up" imitated in any way.

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(H. E. STEVENSON, F.C.S.)

Licensed Compounders of Essences, Spirits, Perfumes, &c.

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Registered Trade Mark

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¶ Please write for particulars and price list of the many varieties of perfumes. Exceptionally good trade terms. A large public demand is being created by press advertising.

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Used and recommended by all the leading artistes, including The Two Bobs, Ernie Mayne, Miss Victoria Monks, Shaun Glenville, and scores of others too numerous to mention. Sells at 1/9 per tin box (about 11 oz.) costs 15/6 per dozen carriage paid. **Cash with order.**

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HIGHLY CONCENTRATED

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IN CARTONS — GLASS ROD

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Special quotation for gross lots.
Samples (charged) on application.

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MANDARIN. PETIT-GRAIN. NEROLI.

BERGAMOT

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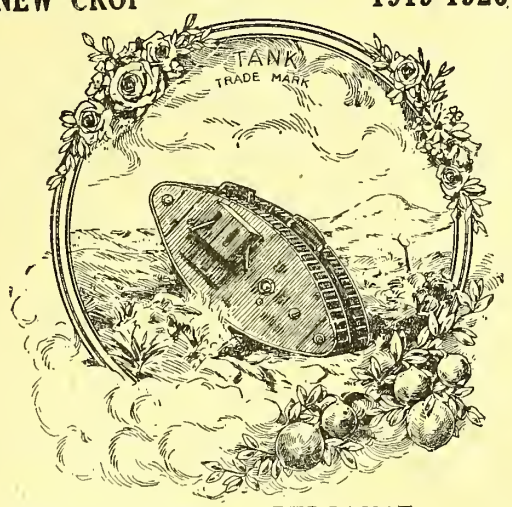

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SWEET ORANGE,
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NEROLI "D'ITALIA"

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PATENT IMPREGNATED

CARDBOARD BOXES

LIGHT, STRONG, RIGID,
AIR-PROOF & DAMP-PROOF.

"PEARLITE" BOXES are particularly suitable for Boiled Sweets, Gums, Biscuits, etc, being quite as effective as bottles or tins. As compared with tins, they show a great saving in price, and as against bottles there is a great saving both in price and carriage, and in cleaning and clerical work in connection with the returns. A gummed band placed round the lid of the box makes it absolutely air- and damp-proof, or by tying the lid tightly down will have the same effect.

The following is an extract from an unsolicited letter from the Civil Service Co-operative Society of New South Wales, Sydney, which confirms many tests we have ourselves made, both for home and foreign trade :

> "Some Manhu diabetic biscuits came to us packed in these ('Pearlite') boxes, and we had not a single complaint regarding their keeping fresh, so that you can have every confidence in recommending them ('Pearlite' Boxes) to exporters as a safe package."
>
> (Sgd.) W. VINCENT (*Manager*).

Goods packed in these boxes are made doubly attractive and commend themselves by their elegant and hygienic encasement. Manufacturers and distributors appreciate "Pearlite" boxes owing to their lightness and rigidity, and the fact that they preserve the contents from adverse climatic conditions.

We print your own Designs on the Boxes if required.

Send us particulars of size, etc., and we will make Sample Boxes to your requirements, and post, with quotations, within three days.

The Pearlite Box Company (1918) Ltd.

135 SHEPPERTON ROAD,

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63 WALLIS ROAD, E.9.

Managing Director : T. GEDDES.

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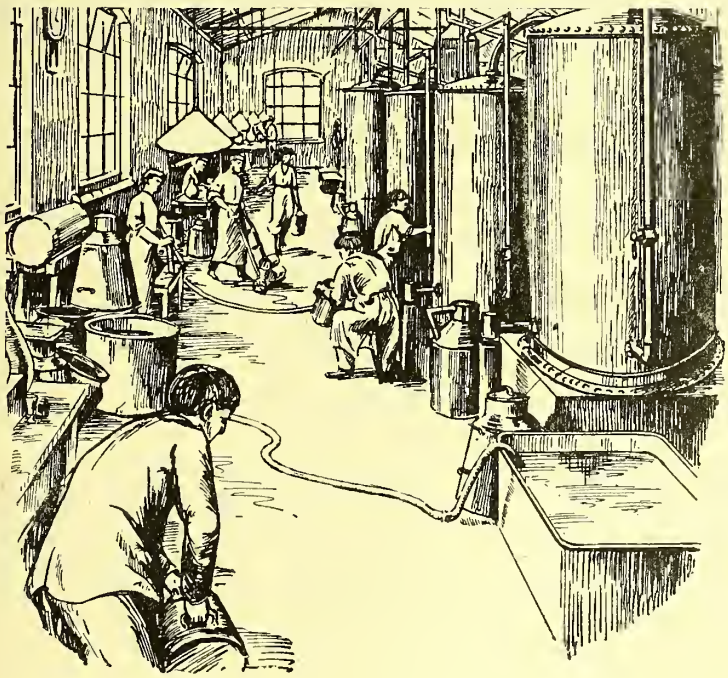
FLORAL OTTOS and COMPOUNDS

The Preemo Company offer some of the finest French and Oriental Compounds and Floral Ottos already compounded and requiring only dilution with Spirits of Wine to turn them into the choicest of High-Class Perfumes. In this way you can put up an article that is as good as the finest Perfumes offered by the big Perfumery Houses. You can sell this at a price that will show a substantially higher profit than is obtainable on Advertised Perfumes. And as it bears your own label, this perfume, which is so easily put up, will enable you to advertise your *own* business instead of the proprietary houses.

If you have not received a Free Copy of the New Preemo Booklet, please write for one to-day.



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Telegrams: "APPREEMONA," Holb., London. *Telephone: Holborn 3095.*

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Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

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Prepaid Parcel Post to Great Britain and her Asiatic and African Colonies. Samples and store displays free with every order.

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½ Doz.	,, Velveola Souveraine (Face Powder)	,, 2/-	,, 8/6
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½ Doz.	,, Rouge, Light, Medium, Dark	,, 2/-	,, 4/4
½ Doz.	,, Perfume, 1 oz. assorted in fancy packages	,, 4/-	,, 18/-
	100 Guest-Room Packages free.		£2. 3. 8

Shipped via Parcel Post Prepaid.

Send us with your order the names of 100 of your lady customers, and we will mail each of them a handsome folder, inviting them to call at your store and get our Guest Room Package free, containing one each of the above in sample sizes, including Perfume.

If more convenient to you, specify shipments from our Canadian Plant.

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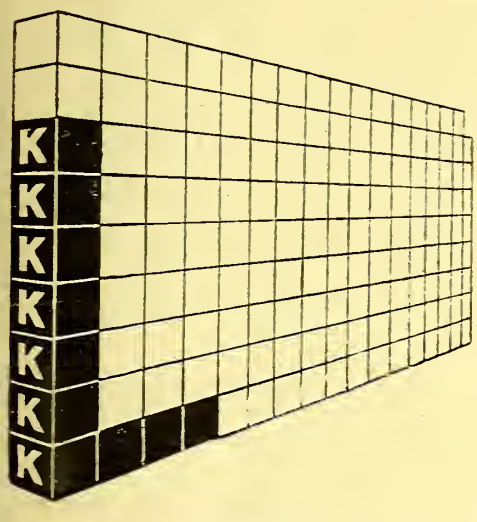
is proved by the result of the Canadian Official Investigation of Malt Extracts.



In this diagram, each of the 152 cubes represents a Malt Extract examined; the black cubes represent the approved samples. Those marked K represent all the 'KEPLER' Malt Extracts examined, all of which were approved.

Out of 152 Samples of Malt Extract examined the Government Analyst reported only 10 as being satisfactory in every respect. Of these, no less than 7 were 'KEPLER.'

Every sample of 'KEPLER' Malt Extract came up to the Government standard.

A Flagrant Imitation of 'Kepler' Products

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The piracy was promptly suppressed

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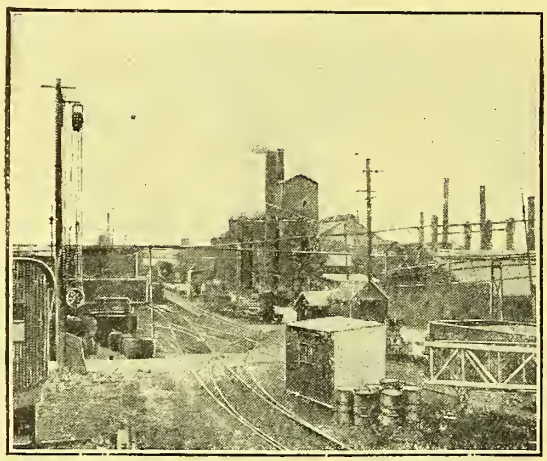

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THE CHEMIST AND DRUGGIST

ESTAB 1859

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Wills.

MR. WILLIAM JOHN LUND, retired chemist, 15 Springfield Terrace, Lancaster, who died on December 10, left estate valued at 2,110*l.* 1*s.* 6*d.* gross, with net personalty 375*l.* 16*s.* 2*d.*

MR. ARTHUR BLACKBOURN, chemist and druggist, Lyndhurst, 47 Park Road, Moseley, Birmingham, who died on October 15, left estate valued at 4,226*l.* 7*s.* 11*d.* gross, with net personalty 4,109*l.* 3*s.* 3*d.*

MR. PERCY WARNFORD-DAVIS, J.P., Wantage House, Kensington, chairman of Parkes Drug Stores, Ltd., who died on November 5, has left property of the value of 49,718*l.* 5*s.* 5*d.*, the net personalty being 47,032*l.* 13*s.* 6*d.*

MR. WILLIAM HUMPHREY GIBSON, chemist and druggist, 122 King's Road, Brighton, director of W. H. Gibson, Ltd., chemists, of Henry Lamplough, Ltd., and of the Standard Tablet Co., Ltd., who died on November 16, has left a fortune of the value of 32,180*l.* 0*s.* 4*d.*, the net personalty being 21,948*l.* 15*s.* 1*d.* The will is proved by Ellen Gibson, the widow; Eustace Gordon Gibson, chemist, son; and Claude Vivian Bisley, of Avondale Road, Hove, son-in-law. The testator gives 50*l.* each to the executors, 20 guineas to Benjamin Howard, if still in the employ of his firm, and the residue in trust for his wife for life, and then in trust for his four children, Eustace Gordon, Sidney Glover, Ida Mary Bisley, and Edith Clara Vorley.

Experiences of the Great War.

Contributions to this section are invited.

XXVII.—Reflections of a Pharmacist "at Sea."

WE HAVE just left Avonmouth Harbour; the night is very dark and our ship shows no lights; I feel in rather a despondent mood, for we are outward bound, with over two thousand souls on board, each man with a sun helmet and suit of khaki drill in his kit. Pandemonium reigns below; the men are excited; many of them have never been to sea before. They are drawing hammocks and blankets. I hear we are to sleep sixteen men slung in hammocks above our mess-table.—What a morning! A goodly number of the men are sick, among them my particular pal. He woke me early and I advised him to go up on deck, assisting him to the taffrail. Afterwards I remarked he had surely a very weak stomach for a Scotsman! The morning wash is a real trouble. Just imagine about two hundred and fifty men to wash and shave at a dozen taps and bowls. There are three mirrors. What a study there is in the various expressions of a dozen men, with lathered faces, holding their razors in readiness for that particular moment when the swing of the ship gave them a fleeting reflection of a patch of chin! And the danger was not only from these neighbouring razors; some of the members of our morning toilet attempt a thorough grooming in their birthday suits. These heroes come prancing along with a towel round their loins, seize the first basin of water they can "nab," and, balancing it aloft, empty it over their heads (or generally somebody else's) on the upward swing.—Have come to the conclusion to-day that a second steward's job is even worse than that of a pharmacist. Last night he issued blankets and hammocks for over two thousand men, and this morning he has had to issue basins, plates, knives, forks, spoons, dixies, trays, pickle-jars, salt-dishes, butter-tins, scrubbers, sweeping-brushes, mops, and heaven knows what not, and I know, too, for I have been appointed a mess orderly for table 27.—What a downfall for a member of the ancient craft of pharmacy! Here am I, standing in a long queue by the cookhouse door with a soup "dixie" and a tray for "spuds." The sea is rather choppy, and the spray is blowing over the deck. How am I to get down the gangway stair with the load of steaming food?—I have adopted the system of dividing the "scoff" equally into the sixteen plates. It causes some "grousing," but is the result of a scientific training. (*Fiat massa artem secundum et div. in partes aequales* xvj.)—There must be something about the expression of a pharmacist that these people like. I had just settled down after clearing up dinner when the quartermaster and a seaman, who happened to be the bo'sun, beckoned me. I went over eagerly and was introduced, with some others, to a little den of the bo'sun's under the fo'castle (known to seamen as the kit-room), where I was presented with a pumice-stone (*lapis pumicis*), which is used in the preliminary process in deck scrubbing.—This messing job gives one some insight into the marvels of supply on a big ship. The first steward is responsible for feeding us; he speaks, and the flour is drawn from the store and delivered to the bakehouse. Fresh bread is provided every morning. The first steward speaks again. "Give 'em rabbits," and rabbits are duly drawn from the cold storage.—After finally cleaning up to-day I went on deck with a copy of Charles Lamb's "Essays" to read, and squatted on a coil of rope on the starboard side of the fo'castle. Alas! reading was impossible, for the men were gambling. "Now then, gentlemen, speculate to accumulate; lay it on thick and heavy. Who says the diamond? The lucky old diamond. Double yer bets, gents, and make good. Everyone finished? Off she goes, and the ol' man spits blood just where the money lies, gents; just where the money lies." On the other side of the winch they were roaring over revolving horses, and right up in the bow the game of "Housey, housey" was in full swing. "Housey, housey, who says a card?" Then the howling of the dice numbers, "17, 64, 23." And yet they say we are in the danger zone!

D. T. WATSON. (648/19.)

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Prohibition of Japanese Shaving-brushes.

In view of the recent discovery that shaving-brushes of Japanese manufacture imported into this country were infected with anthrax, the Anthrax Prevention (Shaving-brushes) Order, 1920, has been issued (under the Anthrax Prevention Act, 1919), declaring that, as from February 9, the importation into the United Kingdom of shaving-brushes manufactured in or exported from Japan is prohibited. This Order applies in the case of such shaving-brushes whether exported direct to the United Kingdom or not. The provisions of the Customs Consolidation Act, 1876, and particularly Sections, 42, 177, 186, 202, and 207 (which relate to penalties by way of forfeiture and otherwise), will apply as respects any shaving-brushes of which the importation is prohibited under the Order.

Chemists' Retail Price Lists.

Philip's Standard Retail Price List for this month was issued on February 13. There has been a number of small increases in wholesale prices, which have necessitated alterations. Mr. Chas. Philip informs us that the list of subscribers is still growing. The address is now 132 Abbeyfield Road, Sheffield.

The February issue of the London Chemists' Retail Price List reaches us this week. We note that it embodies several alterations in the prices for syrups (in consequence of the rise in sugar) and tinctures. In the case of the tinctures there appears to have been an adjustment of prices to make them accord more nearly with the W. V. equivalents. The list is obtainable from the secretary, 180 Philip Lane, Tottenham, N. 15.

FitzHugh Memorial Fund.

The council of the Nottingham Pharmaceutical Association has decided to commemorate the name of the late Alderman R. FitzHugh, J.P., Ph.C., who for over forty years was President of the Association. It is intended to provide a sum to be invested as "The Richard FitzHugh Pharmaceutical Memorial Fund," the interest on which will be devoted to an annual prize fund for the best student or students in the School of Pharmacy established in connection with Nottingham University College. The sub-committee appointed to conduct the necessary arrangements and to receive donations consists of Messrs A. E. Beilby (chairman), A. Eberlin, J.P., F. Ross Sergeant, E. C. Carr, T. Wilson, and G. J. R. Parkes. The secretary is Mr. S. H. Plattin, 10 Derby Road. It is hoped to close the list on March 1.

Exports and the Metric System.

A deputation of trade unionists, which waited on Sir Auckland Geddes at the Board of Trade on February 6, asked the President, among other questions, whether the introduction of the metric system into this country had been sufficiently considered. In reply, Sir Anckland Geddes said that the question had been fully gone into. There were certain advantages in the system, but there were also great disadvantages which would arise on the introduction of a new system. More than half of the export trade of this country was with countries that did not use the metric system, and did not intend to adopt it. The largest and most extensively used was the British system, which so many people condemned. Supposing that it was decided to pass from the yard to the metre, it would mean the replacement of practically the whole mass of our textile machinery. That could not be done in a day, and it could not be done in twenty years, and during the period of change the difficulty of running the two types of machines would be very great. The consequent dislocation of the trade which would result would be enormous. At present both systems, the British and the metric, were legal, and if the latter offered any great advantage it could come in gradnally. The present would be the least favourable moment to introdnce such a change.

Wine-licence Applications.

At Chippenham, on February 5, a wine off-licence application by Mr. C. L. Tayler, Ph.C., was refused by a small majority of the justices.

At Cranbrook, on February 5, a wine off-licence application by Mr. J. H. B. Green, chemist and druggist, was supported by a memorial signed by over a hundred residents. Local hotel proprietors opposed the granting of a licence, and it was eventually refused.

At Coventry Licensing Sessions, on February 11, applications for licences to sell medicated wines were granted to Messrs. Walter A. Bales, 52 Albany Road; William Holmes, 162 Foleshill Road; and Douglas Douthwaite, 38 King William Street, chemists and druggists.

At Nelson, on February 7, an off-licence application was made by Mr. Alfred Edward Walker, chemist and druggist, Netherfield Road, who pointed out that he was often asked for medicated wines. Dr. Crabtree thought it was advisable there should be such a licence. The application was granted.

At Kenilworth Licensing Sessions, on February 4, Mr. Ernest Smith, chemist and druggist, Warwick Road, applied for a wine off-licence. Mr. Smith, giving evidence, stated that he would undertake, if granted a licence, to confine his sales to medicated wines. Opposition was raised, however, by a firm in the vicinity, and the licence was refused.

Mr. G. Evans, chemist and druggist, Nantyffyllon, was granted a wine off-licence at the recent local Brewster Sessions, on the understanding that he would sell medicated wines only. The chairman said he was aware that conditions could not be attached to the grant of a licence, but added that if the licence were abused in any way the magistrates would take a serious view.

At Ruthin Licensing Sessions, on February 9, Mr. E. Halliday Bedford, chemist and druggist, applied for a licence to sell medicated wines. Mr. R. Robert, solicitor, who appeared for Mr. Bedford, stated that a chemist in the town held a licence of this kind. A deputation from various churches objected to the granting of the licence, on the ground that it was unnecessary. The Bench, however, granted the application.

At Blackpool Licensing Sessions, on February 9, Mr. Fred Dickinson, chemist and druggist, Church Street, applied for a wine licence. Mr. W. J. Read, solicitor, said that Mr. Dickinson had "done his bit," having been four and a half years with the Forces. Mr. Dickinson explained that people who asked for those wines at his shop and could not get them were apt to transfer their patronage to a chemist's shop where they could get all their supplies. The Chief Constable: Are you aware if this licence is granted you can sell champagne?—I am fully aware of that. (Mr. Read: I will undertake that I shall not sell anything but medicated wines.) Are these medicated wines non-alcoholic?—No; they are alcoholic. Is that the reason why you have so many applicants for medicated wines?—I don't think so. Don't more females than males ask for them?—No; about half. Would there be as much alcohol in a bottle of Wincarnis as in a glass of beer?—Yes. (Laughter.) Do you know one wineglassful of a 20-per-cent. wine or preparation contains three and a half teaspoonfuls of alcohol—I cannot say until I work it out. The magistrates refused the application.

Guardians' Affairs.

The Edmonton Guardians have accepted the tender of Burgoyne, Burbidges & Co., Ltd., for drugs, and that of Mr. W. G. Taylor for dressings.

The Edmonton Board of Guardians had under consideration recently the following resolution: "That in future ale, stont, brandy, whisky, and other intoxicants required for the use of patients at Edmonton be kept with the drugs at the dispensary of the institution." After discussion, a vote was taken, when nine voted for and eighteen against the motion.

Federation of British Industries.

A congress of representatives of the Federation of British Industries was held this week in London, when various questions were discussed connected with the ex

trade and financial matters. Mr. Max Muspratt, of Association of British Chemical Manufacturers, d the following resolution on prices and profits, n was agreed to :

at this conference considers that the present high prices anufactured goods are inevitable so long as demand ghout the world remains so greatly in excess of supply. ttempt to fix prices or restrict profits by Government n can improve the situation from the national point ew. If prices are fixed below the world price the home et will be depleted unless export is restricted, while attempt to restrict export will raise the price of the s which the country must import from abroad, for it only pay for these goods with the value of the goods h it exports. The only remedy is for the Government move as far as possible all restrictions upon trade, and ncourage the greatest possible development of produc- and distribution through normal channels. High profits t once the fund from which plant and working capital be increased, as also the greatest incentive to develop- , and development of production is the only sure way ducing prices. The conference realises that the condi- now existing are without precedent, and that the of prices is probably higher than ever before in the d's history. This condition must inevitably be followed reaction, with the probable consequence of depressed e, an aspect of the question which should receive the serious consideration of all manufacturers and pro- rs. Meanwhile, in order that the public may be en- ened as to the circumstances prevailing in other coun- this conference strongly recommends the Government ublish monthly comparative statements showing the ent prices of the chief commodities in the principal tries of the world, these prices being converted into ish currency values at parity, in order to show clearly relative burdens borne by individual consumers in this try and in other countries.

Birmingham.

minor epidemic of burns appears to have broken out

rmingham rates are to be increased by 6*s.* in the aking a total of 18*s.*

dbury Bros., Ltd., have contributed 7,000*l.* for the ose of investigations in house-construction.

r. W. Partridge (Southall Bros. & Barclay, Ltd.) ed an interesting series of Lumière photographs at a nt gathering of the Cirencester Horticultural Society.

he present wage of the average local errand-boy of teen years appears to be 1*l.* a week—and, in addition, tilises his Saturday night for selling papers. Four hese lads were lately fined 20*s.* and costs for trading 8 P.M., and one was fined 40*s.* Presumably they afford to pay such fines.

Liverpool.

rbuncles are almost epidemic in some circles in the rict, the whole of the members of some households g affected.

veral ladies have joined the local Reception Com- ee for the British Pharmaceutical Conference, which iously consisted of about forty mere men.

he Liverpool School of Pharmacy, of which Mr. H. aphreys Jones is the principal, has received a large ssion of pupils, and five assistant-teachers are now on staff at the new premises in Hope Street.

rofessor R. J. Harvey Gibson, the local Association's urer on "The Origin of Life on this Earth," is a ner examiner of the Pharmaceutical Society, and Pro- or of Botany in the University of Liverpool.

or the first time since 1895 an album containing the raits of all the members of the city council is being piled. This will include three councillors associated the wholesale or retail drug-trade—Mr. Max spratt (an ex-Lord Mayor), Mr. Edwin Thompson ompson & Capper, Ltd.), and Mr. Robert C. Herman & J. Herman).

n February 6 the employés of the printing depart- t of Ayrton, Saunders & Co., Ltd., gave a dinner to r comrades who saw active service during the great . Mr. Yoole, the chairman, welcomed them as the oured guests of the evening, and stated that not one ervice man had been refused reinstatement. An llent musical programme contributed to the evening's yment.

Pharmacists taking businesses cannot be too careful in seeing that the leases cover the period of scarcity of shops and dwellings. Here is an illustration of what is happening. An old-established business came on the market owing to the death of the proprietor. The purchaser took the premises on a yearly tenancy, effected renovations at considerable cost, and then was faced with the alternative of buying at a high figure or clearing out.

In succession to Mr. J. G. Tringham, whose removal to London was recorded in the *C. & D.* last week (p. 66), Mr. W. O. Neale, a son of Mr. M. H. Neale, chemist and druggist, Lyme Regis, has taken charge of the publicity department of Ayrton, Saunders & Co., Ltd. Born in Dorset and educated in this country and Belgium, Mr. Neale went to Canada in 1906 and was associated with the National Drug & Chemical Co., Montreal. Having qualified in pharmacy, he became manager of a retail business in that city. For two and a-half years of the war he served with the Canadian Forces as a dispenser, with the rank of sergeant.

Newcastle.

The removal of the ban on electric sky-signs has led, *inter alia*, to the erection of a novel sign by the Iglodiffe Co., Ltd., in Northumberland Street. Small opal reflex-glasses are so arranged that they catch the sun's rays, thus making the sign as effective by day as by night.

The Newcastle Chemical Industry Club gave a dinner in honour of Dr. F. C. Garrett (senior lecturer on organic chemistry, Armstrong College) and Mr. Arthur Trobridge (A. Trobridge & Co.) at Armstrong College on February 9. In replying to the toast of his health, Dr. Garrett mentioned that he had just completed his twenty-fifth session on the staff of the college. The Chemical Industry Club, which was founded recently, already numbers 152 members.

Sheffield.

Medical practitioners are protesting at the attitude of the Ministry of Health, which refused to amend the model scheme recommended by the doctors and the Insurance committee.

Mr. H. Antcliffe, chemist and druggist, has been appointed a representative councillor for South Yorkshire on the executive committee of the National Poor-Law Officers, Incorporated.

Miscellaneous.

Poultry foods and medicines are on view at the Bingley Hall show, and considerable business, it is understood, is being done in them.

FIRE.—On February 4 an outbreak of fire occurred on the premises of C. F. Marshall & Son, tooth-brush manufacturers, 21 Devonshire Road, London, E. 9. The damage was slight.

CHEMICAL SOCIETY.—An informal meeting of the Chemical Society was held in Burlington House on February 5. An exhibit of fabrics made from stinging-nettle, white and coloured, aroused considerable interest. The next meeting will be held on Thursday, February 19.

LONDON CHEMISTS' GOLFING SOCIETY.—The report of the London Chemists' Golfing Society for the year ended December 31, 1919, shows a balance in hand of 25*l.* 9*s.* 5*d.* The number of members is ninety-two. Acknowledgments of gifts of prizes are accorded to Mr. T. E. Lescher (President), Sangers, the proprietors of "The British and Colonial Pharmacist," the Crown Perfumery Co., Mr. M. W. Carmichael, and Mr. Parry.

PHOTOGRAPHIC DEALERS' ASSOCIATION FAIR.—The Photographic Dealers' Association has organised a fair to be held in the Horticultural Hall, London, S.W. 1, from April 16 to April 24 inclusive. A congress for members of the Association will open on April 17, and will include lectures, a dinner, and a visit to the factory of Kodak, Ltd., at Harrow. Further particulars may be obtained from the secretary, Mr. A. Oglesby, 37 Bedford Street, Strand, W.C. 2.

SALE OF FOOD AND DRUGS ACTS.—At Lambeth Police Court, London, on February 5, a trader was fined 3*l.*, with 10*s.* 6*d.* costs, for selling vinegar deficient in acetic acid to the extent of 10 per cent.—At Halifax.

recently, Douglas England, farmer, was fined 5*l.*, with costs, for adulterating milk by adding formalin. It was stated that the prosecution that formalin, when added to milk, tended to make it indigestible, and, therefore, injurious to health. Three local medical men were called for the defence.

In the Courts.—At Wimbledon, on February 3, F. C. Carl, errand-boy, was charged with stealing auto-strop razors, soap, and other articles, value 5*l.*, the property of his employers, Durbin's Drug Stores (Wimbledon), Ltd. Carl was further charged, together with a tailor named Russell, with stealing and receiving Phosferine, Bovril, etc., valued at 5*l.* 7*s.* 7½*d.* Carl was bound over on probation and ordered to be birched; Russell was fined 10*l.*—At the Old Bailey, London, on February 5, a woman named Baker was sentenced to eight months' imprisonment in the second division for the manslaughter of a newly-born child. It was stated, in the evidence, that the child was found with Thermogene wool in its mouth, and died from suffocation.

Chemical and Dyestuff Traders' Association.—At a well-attended meeting of leading and representative British chemical and dyestuff traders, held on February 10 at the Manchester Chamber of Commerce, it was resolved to form a Chemical and Dyestuffs Traders' Association. Mr. A. F. Butler (R. W. Greeff & Co.), Lloyds Bank Buildings, King Street, Manchester, is the honorary secretary *pro tem.* A circular has been issued signed by seventeen leading firms in support of the new association, it being felt by the signatories that the time has come when a medium should be provided with a view to safeguarding their mutual interests under the present difficult and unsettled conditions.

Inquests.—In the course of an inquest held recently in the Guernsey Court House on the body of a child who had died from accidental burning, the parents and Mr. J. Carré, chemist and druggist, Bordage Street, St. Peter Port, whose advice was sought in the first instance, were censured—the parents for the circumstances in which the burning occurred, and Mr. Carré for not personally ascertaining the extent of the burns. The chief magistrate said that chemists were in a very important position, and should make a point of advising people to send for a doctor in serious cases.—A verdict of "Suicide while of unsound mind" was recorded at an inquest, held on February 4, on the body of Mr. Llewellyn Rhys Davies, chemist and druggist, Brockley Road, London, S.E. Evidence given showed that death was due to hydrocyanic-acid poisoning, a medical witness adding that about 1½ oz. had been taken from a bottle found near the body.

Poison-licence Application.—At the meeting of the Blackburn Town Council on February 5, the application of a firm of seed merchants for a licence to sell agricultural poisons was again considered. At the previous meeting the members had unanimously referred the matter back (*C. & D.*, January 17, p. 48). The Watch Committee had again decided, subsequently, to recommend the granting of the application. Dr. Keighley now proposed referring the matter back a second time, on the ground that there were already sufficient facilities in the town for obtaining these substances. The Act of Parliament was never intended, he said, to apply to large boroughs where the facilities were already adequate. Within a quarter of a mile of the premises of this firm there were at least twelve chemists, one of whom had laid himself out specially for many years to supply such goods. Every obstacle ought to be placed in the way of the public getting hold of these poisons, and the pharmacist, who was specially qualified by examination, was the man on whom the choice should rest. Councillor C. Higham seconded. Councillor Townsend regarded this as a personal quarrel between two sets of tradesmen. It was too funny for words to suggest that a man would go about with a gallon tin of poisonous weed-killer in order to end his life. They should have competition, and they should look at the whole question from a broad standpoint. The application was approved by twenty votes to ten.

Irish News.

Brevities.

Mr. James Tate, Ph.C., Belfast, who has been ill f several weeks, has resumed business.

Mr. Kennelly, Ph.C., has reopened the old Apoth cary's Hall, Tralee. Mr. Edward Murphy was the pr vious proprietor.

At the recent election of the Lord Mayor Dublin, Dr. McWalter made a vigorous speech against t Sinn Feiners. A writer in the local Press paid a tribu to his sincerity, but disagreed with the doctor, w "taunted the Sinn Fein majority with intolerance," f "when he declared that they were worse than Orangem the whole house screamed." The speech was evidentl listened to throughout with the same degree of goo humour.

Ucal Federation.

In connection with the Ucal Federation a club has jus been formed in Belfast under the title of the North Iris Ucal Club. The movement was initiated at the end o last year, when a Provisional Committee was appointed but the intervention of the strike prevented further pro gress. The following officers have now been appointed *President*, Mr. Samuel Hogg, Ph.C.; *Vice-President* Mr. James Dundee; *Secretary and Treasurer*, M H. F. Moore. The members of the club were entertaine to tea in the Café Royal, Belfast, on February 4 b the President, and they afterwards adjourned t Harmur's, Ltd., Ann Street, where a selection of Uca goods was exhibited. The following were declared mem bers of the North Irish Ucal Club: Messrs. J. Donaghy (Ballymena), J. H. Gowans, W. J. Hardy, J. Dundee J. A. Bingham, H. F. Moore, A. Morris, A. Wilson J. C. Culbert, D. Henderson, L. Murray, S. Fleming H. Todd, M. M'Donald, J. A. Woodside, S. L. Cleland, Thos. Lemon (Armagh) Rules were passed and copie directed to be sent to each member. Discussion took place as to the Ucal lines suitable for Belfast trade. A vote of thanks to Mr. Hogg for his hospitality was passed and Mr. Hogg suitably replied. Pharmaceutical chemists in the North of Ireland wishing to become associated with Ucal should write to the hon. secretary, Mr. Harry F. Moore, Ph.C., 134 Royal Avenue, Belfast.

Scottish News.

Brevities.

It is probable that lozenges and pastilles will be advanced in price in the near future.

The increase in prices to the public is not now a matter of choice from the chemists' point of view, but a necessity.

A Scottish chemist notifies his *clientèle* that he orders carriage paid twice monthly. Anything that a customer requires in a hurry will be ordered by post, the purchaser to pay the postage.

There has been a universal increase in the prices of medicated syrups; 5*d.* and 6*d.* per oz. are the present prices. Turpentine is retailing at 3*d.* per oz., santonin (while it lasts) at 3*d.* per gr.

Mr. Charles Anderson, chemist and druggist, Maud, has acquired the business established at Maud by the late Mr. A. Milne. During the past few years Mr. Anderson has acted as manager for the late proprietor.

Mr. T. McIlwick, Scottish representative of Breidenbach & Co., has been elected to the board of management of the Royal Commercial Travellers' Schools at Pinner. Mr. McIlwick has acted as a steward for the schools in Scotland for many years.

Mr. J. R. Reith, pharmacist, Cults, has been co-opted to the Aberdeenshire Insurance Committee as a representative of the Scottish Board of Health, in place of the late Mr. A. Milne, Maud. Mr. Reith is also secretary to the Pharmaceutical Committee of the area.

Dundee.

A change in a well-known local firm of chemists has, it is understood, taken place, but no announcement has yet been made.

Mr. R. M. Lindsay, chemist and druggist, Albert Street, is a member of the committee which organised the fine-art exhibition opened last week. "Bubbles," the property of A. & F. Pears, Ltd., is one of the pictures on loan.

A football match between the Dundee School of Pharmacy and engineering students at the Technical College, played on February 7, resulted in a win for pharmacy by seven goals to one. The School of Pharmacy has been challenged by the Dundee Chemists' Assistants and Apprentices.

Dundee Town Council Law and Finance Committee has agreed to increase the fee of Mr. Andrew Dargie, city analyst, from 100*l.* to 250*l.* per annum. It has also been agreed that the fees shall be raised. It is estimated that under the new rates the average total cost of each analysis will be 15*s.* 4*d.*

Edinburgh.

Mr. Graham Davidson is offering old stock at reduced rates at his shops.

A local doctor is recommending 20 gr. of salicin to be taken every two hours as a specific for influenza.

Dr. F. J. Tocher, Ph.C., President of the Aberdeen Rotary Club, was among the guests at a luncheon held in connection with the Edinburgh Rotary Club.

Rumours are current, writes a correspondent, that the private meeting of the North British Executive, held last week, was characterised by much asperity on the part of the officials. It is on this account chiefly that no report has been issued, although another reason is probably that the Committee from London requires to report first to the Council.

Glasgow.

At Shawlands Cross, on February 5, a motor-car smashed the plate-glass window of the pharmacy of Mr. J. Black, Camphill.

Mr. H. P. Arthur, Crosshill, Glasgow, and Mr. J. Martin W. Lindsay, Maybole, have taken a Rexall agency in their respective towns.

Proposals have been submitted to the corporation for the erection of the necessary plant for carbolic-acid extraction and benzol refining.

A fine of 2*l.* 2*s.*, with 1*l.* 1*s.* costs, was imposed recently on Galbraith's Stores, Ltd., provision merchants, for having sold at 15 Sinclair Drive, Langside, cream of tartar containing 140 parts of lead per million, the British Pharmacopœia limit being 20 parts per million. It was urged for the defence that sulphuric acid from the tins in which the cream of tartar was packed had acted upon it, and that the three analyses made showed different figures for the lead.

Southall's Centenary Celebration.

On February 6 the managers, travellers, and departmental heads of Southall Bros. & Barclay, Ltd., Birmingham, gave a complimentary dinner to the directors of the company to celebrate the centenary of the house. The function was held at the Imperial Hotel, Temple Street. The whole of the members of the board were present, under the presidency of Mr. W. Heal. In response to the toast of "Our Guests," Sir Thomas Barclay gave an interesting *résumé* of the history of the company. He said the business was founded in 1820 by Thomas Southall, who had been established as a retail chemist at Leominster with his brother William. Thomas left Leominster, and then went up to Jacob Bell, London, for experience. After being some time there he came to Birmingham to commence business at 17 Bull Street. After about five years at Birmingham, Thomas thought he would like his brother William to join him, so the latter sold out at Leominster and came to Birmingham, where they carried on business at 17 Bull Street, under the name of Thomas and William Southall. Thomas Southall made himself famous in Birmingham, among other things, in analysing water. One of the waters he examined was that of the public pump by St. Martin's Church, Digbeth; he also analysed the well in Allison Street. This brought the name of Southall before the Birmingham profession and the public as experts in water analysis, and attracted a good deal of attention, consequently increasing the business of the brothers. Birmingham at that time, it may be said, had no public supply, and the inhabitants obtained their water mainly from the surface wells. Some few years later the partners found premises in Cambridge Street suitable for starting a wholesale business, and for that purpose took one of their assistants, Dickinson, into partnership. That part of the business was carried on under the name of "Southall & Dickinson" as wholesale druggists. Dickinson afterwards left them and went into the Colebrook Dale Iron Co., and the wholesale drug business was transferred to the Coach Yard, the William Southall of that day undertaking the travelling (in which he was mainly employed) and general supervision, and Thomas devoting himself to manufacturing and the retail. The firm was joined later by a son of William Southall, also called William, and, still later, by George Dymond, who had married one of Thomas Southall's daughters, and been in business as a retail chemist in Manchester. Alfred Southall (son of William Southall, the founder) joined the business in 1861. Thomas Southall died in 1860, and in 1861 Mr. Dymond was taken off the road, and Sir Thomas (then Mr.) Barclay was appointed in his place. William Southall, the other founder, died in 1866. Mr. William Southall, his son, took an active part in the business, and at that time was on the Board of Examiners of the Pharmaceutical Society. He was also the author of "Southall's Materia Medica." The second William Southall died in 1886, and his son Wilfred joined the firm as a partner, and with Mr. Alfred Southall took charge of the retail portion of the business. Later Mr. John Barclay joined the firm, and devoted himself to the practical side of pharmacy and chemistry, taking his Major examination and his B.Sc. He was appointed lecturer in materia medica to the medical and pharmaceutical students, and created the university department for the teaching of materia medica. He was largely responsible for the inception of the Saltley Works, and up till his death gave much time and thought to their development. Mr. Thomas Barclay, who joined the firm in 1896, helped to establish the druggists' sundries department, for which he travelled for some years, and a year or two before the death of his brother took over the management of the mills at Saltley. Mr. A. William Southall and Mr. Gilbert Southall, sons of Mr. Alfred, came into the business about the same time. Mr. A. William Southall was apprenticed to Proctor, Son & Clague, of Newcastle-on-Tyne. Sir Thomas then gave a few biographical details. He was apprenticed to Mawson & Swan, of Newcastle-on-Tyne, and at the age of twenty-two (in 1861) commenced work as traveller for the firm. He did the whole of the country travelling, and the town when at home. They journeyed in the North as far as Leeds, Liverpool, and Manchester, and had a small connection in South Wales. In the South they extended the journeys to Bristol and Bath, and in the West as far as Bridgwater. Then he was the only traveller. The number of travellers and agents is now about forty. In 1867 Sir Thomas became a partner, at the same time as the late Mr. B. F. Brady, who was engaged in the retail entirely. Mr. Brady retired in 1870. From that time to the present the evolution of the business has been steady and constant. The speaker then referred briefly to the extended warehouses of the company in the centre of the city, its laboratories and mills at Saltley, its cod-liver oil factories in Norway and Scotland, its lint-mills at Bromsgrove, bleaching works in Yorkshire, the Vitafer factory in Tipperary, and its travellers and agents covering practically the civilised world. The employés to-day number, roughly, 1,200. Mr. Thomas Barclay also responded, as did Mr. Wilfred F. Southall and Mr. A. William Southall (grandsons of one of the founders).

The Profiteering Act.

Notes.

Committee Suspended.

The Glasgow Profiteering Committee has suspended its sittings, owing, it is stated, to increasing ambiguity in replies received from the Board of Trade.

Department's New Address.

The headquarters of the Profiteering Act Department of the Board of Trade have removed from 1 Queen Anne's Gate Buildings to 22 Carlisle Place, London, S.W. 1. (Telephone, Victoria 4173.) The Central Committee remains at 54 Victoria Street, S.W. 1.

Local Committees and Wholesalers' Profits.

At the sitting of the Eulham Profiteering Committee on February 10, a letter was read from the Board of Trade in reply to a suggestion by the Committee that the investigation of wholesale prices might be delegated to the local Committees. The Board pointed out that this course would place a heavy burden on manufacturers, who might be called upon to resist complaints. In many cases local Committees would not possess the expert and technical staffs which were required to investigate wholesale transactions—such transactions including the investigation of commodities throughout their various stages of manufacture from the time they were purchased abroad until the handing over of the finished article to the retailers.

Additions to Schedule.

By the Profiteering Act, 1919, Order (No. 5), which came into force as from February 12, the following articles, *inter alia*, are declared to be "articles of a kind in common use by the public, and . . . articles which are not controlled":

Schedule.

Part I.

P. Horse-food mixtures.
Q. Poultry-food mixtures.

Part II.

33. Tea.
35. Molasses, treacle, and golden syrup.
36. The following kinds of rice:
    Re-milled Java.
    Re-milled Siam.
    Garden Siam.
    Spanish.
    Carolina and other North American rices.
    Japan.

London Retailers' Suggestions.

A meeting of the London and Suburban Traders' Federation was held at Australia House, Strand, on February 9, for the purpose of giving expression to the views of retailers concerning the Profiteering Act. Mr. T. G. Ball presided, and among the speakers were Sir Ernest Wild, K.C., M.P., and Colonel Sir H. M. Jessel. Indignation was expressed at the proposal of the Government to bring in a new Bill extending the scope of the Act, and it was resolved that, in the event of such a Bill being considered necessary for the protection of the public, the following provisions should be inserted in the interests of retail traders:

(1) All complaints should be investigated *in camera* by an advisory committee, of which half the members should be business men; (2) in the event of the committee deciding there was no *prima facie* case no further action should be taken and the complainant notified (no proceedings to be made public); (3) in the event of the case being brought before the tribunal and dismissed, the respondent to be entitled to costs; (4) the appeal tribunals shall have power to award full costs before them and in the tribunal below in the case of a successful appeal; (5) current market prices to be the basis upon which profits should be determined.

Appeal.

At a recent sitting of the Buckinghamshire Appeal Committee, H M. Hill, oilman, successfully appealed against a decision of the Slough Profiteering Committee ordering a refund of 7½*d.* on a charge of 1*s.* 3*d.*, made (in error) for a small stick of Vinolia shaving-soap, and directing a prosecution (*C. & D.*, January 3, p. 67; January 31, p. 70). It was stated at a subsequent meeting of the Slough Committee that the costs of the case amounted to 7*l.* 10*s.*

Complaints.

Birkenhead.—At the sitting of the Profiteering Committee on February 9, a complaint was heard against William Snow & Sons, chemists, Laird Street, with respect to an alleged charge of 1*s.* 6*d.* for a 1-lb. tin of Frame Food. A representative of the respondents denied that 1*s.* 6*d.* was charged, but admitted that he charged 1*s.* 4*d.* instead of 1*s.* 3*d.* He explained that he had at the time just received notice that the price would be advanced to 1*s.* 4*d.*, and it was in his mind that the price was 1*s.* 4*d.* then. The complainant repeated in evidence that the charge was 1*s.* 6*d.* The chairman said that the Committee was satisfied that 1*s.* 6*d.* had been charged, but was convinced it was merely a mistake, and that there had been no attempt at profiteering. As an excessive profit had been made, however, the respondents must refund 3*d.*

Cambridge.—At a recent sitting of the Profiteering Committee, a complaint was heard regarding a charge of 1*s.* 6*d.* made by Mr. H. S. Beale, chemist and druggist, Petty Cury, for 1 lb. of naphthalene. Major O. Papworth appeared for Mr. Beale. The complainant, who is employed as a demonstrator at Cambridge University, stated in evidence that 1*s.* 9*d.* per lb. was first quoted for the naphthalene by an assistant, and was subsequently corrected to 1*s.* 6*d.* by Mr. Beale. He (complainant) had ascertained from a gas company that the wholesale price was about 2½*d.* per lb. A Member (Mr. J. E. Purvis, M.A., F.I.C., Professor of Chemistry at the University): It is assumed that the naphthalene you buy at a chemist's shop would be in a high state of purity?—I had said that the state of purity did not matter. Another Member: But you would expect more refined stuff in a chemist's shop? You would expect to find the best?—Yes, I suppose so. Cross-examined: After Mr. Beale had referred to the list, witness did not think he was making an undue profit, but came to the conclusion that probably the middleman was. Mr. Beale, giving evidence, informed the Committee that he had carried on business at Petty Cury for twenty years. The naphthalene in question was purchased about six years ago. The label on the bottle was the original label, marked with the selling price of 2*d.* per oz. or 6*d.* for 4 oz. He had looked for the invoice, but as the purchase was made so long ago he was unable to find it. It was his practice to destroy invoices which were more than twelve months old, and he could not now tell the Committee what he paid for the naphthalene. The substance which was sold was scale naphthalene; it was not very much in request. Prior to the present sale he had probably sold only about ¼ lb. in three or four years. When such a weight as 1 lb. of an article was sold the price was, of course, correspondingly less. A customer occasionally came in and asked the price per lb.; when he was told the price per lb. he then said he would have an ounce. (Laughter.) Major Papworth, addressing the Committee, contended that the price was not unreasonable. It was, in fact, reasonable that Mr. Beale should have charged more than the pre-war rate, having regard to the fact that his expenses, his cost of living, and the cost of his assistants had risen, and that his rates had also increased. The chairman, in announcing that the Committee had decided to dismiss the case, expressed regret that the respondent had not taken steps to find out from "the wholesale people" what the present price of naphthalene was, and also to ascertain the local prices.

Chelsea.—At the sitting of the Profiteering Committee on February 5, a complaint was heard against Mr. T. Davies, chemist and druggist, 485 King's Road, Chelsea, S.W. 10, concerning a charge of 1*s.* 3*d.* made for ¼ lb. of cotton-wool. The complainant said he had purchased a similar quantity of cotton-wool at another shop for 8*d.* Mr. C. H. Kirby (Neve, Beck & Kirby), who appeared for the respondent, stated that the wholesale price of the wool in question was 1*s.* 11*d.* per lb. He added that something had

to be allowed for packing, and it was recognised that a higher percentage of profit should be charged on small quantities. The respondent, at the request of the Committee, examined a sample of the wool that he sold and a sample of the wool complainant had purchased at another shop, and admitted that the cheaper material was the heavier. Mr. B. R. Wilkinson, Ph.C., secretary of the Western Pharmacists' Association, was called as an expert witness, and, after examining the two samples, stated that the 8*d*. wool was the better. Mr. Kirby said that the question for the Committee to decide was whether an unreasonable profit had been made. He submitted that an unreasonable profit had not been made, since the profit in this case was less than the pre-war profit. Mr. Wilkinson said he should say that 1*s*. 3*d*. was a reasonable price on the date on which the sale to complainant took place. Mr. Kirby pointed out that the sale did not yield a profit of more than 60 per cent., and added that 70 per cent. was the recognised pre-war profit. The Committee ordered a refund of 3*d*.—At the same sitting, Mr. P. T. Harris, chemist and druggist, 183B King's Road, Chelsea, S.W., was the respondent in a case in which 2*s*. 3½*d*. had been charged for ½ oz. each of nitre, guaiacum, rhubarb, and precipitated sulphur. Mr. C. H. Kirby (Neve, Beck & Kirby), instructed by the Chemists' Defence Association, Ltd., appeared for the respondent. It was shown that the profit made was reasonable, and the complaint was dismissed.

HACKNEY.—At the sitting of the Profiteering Committee on February 6, a charge of 6*d*. for 18 saccharin tablets by Mr. G. J. M. Lusher-Pentney, chemist and druggist, 98 Queen's Road, E. 8, was the subject of a complaint heard. The complainant stated that Mr. Pentney was selling the tablets at 1*s*. 3*d*. per 100, and that 6*d*. for 18 was unreasonable. Mr. C. H. Kirby, solicitor, who appeared for the respondent (instructed by the Chemists' Defence Association, Ltd.), said that Mr. Lusher-Pentney purchased one gross of packets, each containing 18 tablets, in December 1918 for 2*l*. 14*s*.—4½*d*. a packet. The profit was therefore 25 per cent. on the retail price and 33⅓ per cent. on the cost. He submitted that a profit of 1½*d*. on a packet was not unreasonable. A member pointed out that a company in the district was selling the tablets at 10*d*. per 100. Mr. Kirby said he was quite willing to say that the price complained of was a high price for saccharin tablets; and Mr. Pentney himself was selling 100's at a cheaper rate. What the Tribunal had to decide was whether Mr. Pentney made an unreasonable profit in charging 6*d*. for what cost him 4½*d*. The case was dismissed, the chairman remarking that the Tribunal wished to draw attention to the vast difference in the prices of saccharin tablets.—At the same sitting, a complaint against Brodribb, Ltd., chemists, for having charged 1*s*. 7½*d*. for 100 saccharin tablets at a local branch was dismissed, the complainant failing to appear. Mr. Alfred Higgs, J.P., treasurer of the Thames Valley Pharmacists' Association, was present to prove, if called, that the present rate of profit did not exceed the pre-war rate.

HALE, CHESHIRE.—At a recent sitting of the Profiteering Committee, Mr. Alfred Jacklin, chemist and druggist, was the respondent in a case in which 6*s*. 6*d*. had been charged for the following liniment: Lin. aconiti, lin. belladonnæ, chloroformi, aa. ℥ss., lin. methyl sal. ad. ℥iv. The case was defended by the Chemists' Defence Association, Ltd. It was shown that the profit made was reasonable, and the complaint was dismissed.

HAMPSTEAD.—Two cases of alleged profiteering in dispensing are down for hearing in the Profiteering Committee's list, the respective respondents being C. B. Allen & Sons, High Road, Kilburn, and S. Allchin & Co., England's Lane, N.W.

KENSINGTON.—At the sitting of the Profiteering Committee on February 9, a complaint was heard against Harrods, Ltd., Brompton Road, respecting a charge of 1*s*. 6*d*. made for a packet of Edwards' Cremex shampoo-powders. The complainant stated that she protested "rather hotly" against the charge when it was made. A representative of the respondents told the Committee that the wholesale price was 12*s*. 6*d*. per doz., less 20 per cent. The selling price was 1*s*. A mistake must have been made by an assistant. The chairman pointed out that 1*s*. 0½*d*. was marked on the packet. The assistant in question stated in evidence that she did not remember serving the complainant. The Committee ordered a refund of 6*d*., and recommended a prosecution. It was intimated that there will be an appeal.—At the same sitting the hearing of a case in which H. Smith & Co., chemists, 170 Holland Park Avenue, W., had charged 1*s*. 6*d*. for 100 cascara-sagrada tablets was adjourned for evidence to be sought as to the quality of 100 purchased elsewhere for 10½*d*. The case was defended by the Chemists' Defence Association, Ltd.

LEE, LONDON, S.E.—At the sitting of the Profiteering Committee on February 5, the case in which Mr. Victor Reed, Ph.C., had charged an additional 50 per cent. on a Sunday sale of protected proprietaries was down for hearing. The Chemists' Defence Association, Ltd., had instructed a solicitor on behalf of the respondent. The complainant failed to appear, and the case was accordingly dismissed.

PORT TALBOT.—At the sitting of the Profiteering Committee on February 9, a charge of profiteering was preferred against Mr. J. F. Williams, chemist and druggist, Taibach. Mr. Dan Perkins, solicitor (instructed by the Chemists' Defence Association, Ltd.), appeared for Mr. Williams. The story told by the complainant was to the effect that she purchased from Mr. Williams a bottle of No. 1 vaseline (for which she was charged 6*d*.), a jar of boracic ointment (6*d*.), and ¼ lb. of cotton-wool (1*s*. 4*d*.). She alleged that she paid 2*s*. per lb. for cotton-wool of the same grade at a branch of Boots, Ltd., and that what she purchased for boracic ointment was really cold-cream. In cross-examination, she admitted that there was no indication on the wool to show what grade it was, but added that the highest grade of wool was only 3*s*. 6*d*. per lb. at Boots'. Mr. Perkins: Maybe, but have you heard the story of Boots' and Carter's Little Liver Pills?—No, I have not. Mr. Williams, giving evidence, said that he had been in business at Taibach for many years. He bought the vaseline at 18*s*. a gross in 1914 and sold it at 3*d*. a bottle, yielding a profit of 50 per cent. To-day he bought at 48*s*. a gross and charged 6*d*. a bottle—a profit of 33⅓ per cent. There was a little perfume in the boracic ointment—which might have led the complainant to believe that it was cold-cream, but cold-cream was twice the price of boracic ointment. This particular ointment was protected by the makers to be sold at 9*d*. a jar, but he did not know that at the time of the sale. He paid 4*s*. per lb. for the grade of cotton-wool in question, and was selling it at 25 per cent. profit, as compared with a profit of 50 per cent. before the war. Mr. G. D. Loveluck, chemist and druggist, Aberavon, gave corroborative evidence. Mr. Perkins having addressed the Committee, the chairman announced that it was found that there was no profiteering by Mr. Williams, and dismissed the charge.

Medical Gleanings.

Treatment of Chilblains.

MR. T. MARK HOVELL, F.R.C.S.E., in the "British Medical Journal" (3073, 1919) gives the following prescriptions, for chilblain applications, which he has used for many years with or without the internal administration of calcium chloride, according to the state of the patient:

For Unbroken Chilblains.

Tr. capsici,
Lin. camph. co. ... ... aa. ℥ss.
Misce. To be painted frequently over the affected area.

For Broken Chilblains.

Ung. resinæ,
Ung. ac. carbolici ... ... aa. ℥ss.
Zinci oxidi ... ... ℥ij.
Vaselini ad ... ... ℥ij.
Misce ft. ung.

Legal Reports.

Perforated-paper Machine.—In the City of London Court, on February 9, a claim was made by Hampson, Bettridge & Co., Fann Street, Aldersgate Street, E.C., against Mr. F. J. Sabel, Upper Thames Street, E.C., and Southgate Road, to recover 41*l.* 15*s.*, balance of account of 113*l.* 8*s.*, for work done to a sanitary-paper making machine supplied, etc. Plaintiffs' case was that they were employed to remove the sanitary-paper perforating machine in question from Upper Thames Street to Southgate, that they did the work, and that the machine was properly erected. The defendant said the work was badly done and that the machine would not work properly. When the sanitary-paper was put in to be perforated it became torn. Assistant Judge Jackson said it was not a satisfactory case to try. Every householder suffered from time to time when he got a bill for decorations or house repairs, and very often thought charges were excessive. At the same time, he thought the plaintiffs' charges were somewhat excessive, and he found for them for 26*l.* 5*s.* 10*d.* and costs.

Erasmic Advertisements.—In the City of London Court, on February 9, before Assistant Judge Jackson, a claim was made by the London and Provincial Advertising Agency, Ltd., Oxford Street, W., against L. H. Woods & Co., Ltd., advertising agents, 11 Ludgate Hill, E.C., to recover 20*l.* 18*s.* 9*d.* for advertisements inserted in the programme of the London Hippodrome, of Hovis, Erasmic soap, etc. Mr. Emile Cannot appeared for the plaintiffs and Mr. J. O. C. Skinner for the defendants. Mr. Cannot said that the orders were given by Mr. Woods, the defendants' manager, the payment for the Hovis advertisements being at the rate of 2*s.* 6*d.* per week and the Erasmic soap at 15*s.* per week. They were to appear until countermanded, and were not stopped. Mr. Woods had filed an affidavit saying that no order or authority was given by the defendants to insert the advertisements sued for, and that he was surprised that the plaintiffs were still inserting the Erasmic advertisement, seeing that he had sent a stop order. He added "Please stop it at once." That was on February 7 of last year. The stop order never reached the plaintiffs. Mr. McLaren, plaintiffs' manager, said he was quite sure the Erasmic soap order was given "until countermanded," and that the stop did not come as alleged. Mr. Luke H. F. Woods, defendants' managing director, said he did not owe the plaintiffs anything, or he would have paid. He was astonished at the advertisement appearing in the Hippodrome programme, knowing that he had stopped it. When he referred to the "stop order" he should have said a "negative" order. It would have been a better phrase. In fact he had overpaid the plaintiffs. Assistant Judge Jackson said that the documents were against the defendants, and acting upon those, he found for the plaintiffs, with costs. Mr. Woods' expressions were most unfortunate.

New Companies
and Company News.

P.C. means Private Company and R.O. Registered Office.

Turner Drug and Galenical Co., Ltd. (P.C.).—Capital, 20,000*l.* Objects: To carry on the business of manufacturing and analytical chemists, druggists, perfumers, etc. Solicitor: B. Wilson, 20 Basinghall Street, London, E.C. [Corrected Notice. In our issue of January 31 the capital of this company was wrongly given. The amount of capital is 20,000*l.*]

Juphlox, Ltd. (P.C.).—Capital, 5,000*l.* Objects: To acquire the business of the Joubert Medicine Co., Glasgow. The first directors are: D. Wilkie, 185 West Princes Street, Glasgow; J. C. Watt, Dunolly, Scotstownhill, Glasgow; and J. W. C. Knight, 3 Penrith Avenue, Giffnock, Glasgow. R.O.: 21 Cochrane Street, Glasgow.

Shepperley's (London), Ltd. (P.C.).—Capital, 1,000 Objects: To carry on the business of manufacturers and dealers in patent medicines, etc., and to acquire the undertaking formerly carried on by the late G. Shepperley, of Nottingham, together with the recipes relating to the manufacture of special medicinal preparations, and the property and rights in connection with Shepperley's No. 13 Indigestion Mixture. Solicitor: W. A. H. Johnston, 30 St. Agnes Place, Kennington Park, London, S.E.

J. C. Eno, Ltd. (P.C.).—Capital, 650,000*l.* Objects: To take over the business of a company of the same name (incorporated in 1897 and now in voluntary liquidation) and to carry on the business of manufacturers of and dealers in the preparation known as "Fruit Salt," "Eno's Fruit Salt," or "Eno," and other medicines, etc. The first directors are: H. W. Swithinbank, Crag Head, Bournemouth; M. A. W. Swinfen-Broun, Swinfen Hall, Lichfield; T. Bennett, Stanbury, Cromwell Avenue, Bromley, Kent; G. Heslop, 59 Overhill Road, Dulwich, S.E.; A. E. Clarke, 13 Suffolk Street, S.W. 1; and F. E. Allhusen, Merstham, Surrey. So long as the trustees of the will of the late J. C. Eno hold 390,000*l.* shares, they may appoint any person or persons to be a director or directors, and may remove any directors, howsoever appointed. R.O.: 23 Pomeroy Street, New Cross Road, London, S.E. 14.

Lancashire Automatic Glass Manufacturing Co Ltd. (P.C.).—Capital, 400,000*l.* Objects: To carry on the business of glass manufacturers, blowers and moulders, bottle-makers, makers of and dealers in glassware, glass vessels and articles, makers of opaline, opalite, and other descriptions of glaze and glazed ware, engineers, founders, dealers in sand, stone and chemicals, etc., and to enter into agreements with W. H. Veno. The first directors are: W. Kay, The Anchorage, Stanley Road, Whalley Range, Manchester, brewer; W. H. Veno, Racehill, Altrincham, manufacturing druggist; A. R. Midwood, Oakley Hall, Market Drayton, merchant; I. O. Pedersen, Imperial Mansions, 178 Charing Cross Road, W.C. 2, glass manufacturer; and G. Spencer, Lethbridge House, Southport, manufacturer. Solicitor: J. Kershaw, 6 Austin Friars, London, E.C. [The prospectus of this company is given in our advertisement pages, together with an application form for shares.]

Felton & Crepin, Ltd.—Referring to the notice regarding this company which was printed in the *C. & D.* January 31, p. 75, Mr. H. Watson Humphries, the liquidator, calls our attention to the fact that this is a voluntary winding-up. The business is to revert to a private firm with Mr. F. W. L. Crepin as the sole director.

G. B. Kent & Sons. Ltd.—The report of directors for the year ending September 30, 1919, states that, after allowing for bad and doubtful debts, depreciation, etc., there is a balance of profit of 23,044*l.* 9*s.* 2*d.*, to which have to be added the balance brought forward from the previous year, and the transfer fees. On the other hand there are to be deducted interest on mortgages and loans, income-tax, and directors' fees, also interim dividend on the preference shares duly paid, leaving a balance of 16,483*l.* 17*s.* 6*d.* for distribution. The brush trade is suffering, like all others, from increased costs all round, but perhaps more than most, because the chief part of its raw material comes from Russia. The directors are pleased to report that the demand shows no signs of falling off. The board have paid the usual half-yearly dividend on the preference shares, placed 1,000*l.* to reserve, have written down goodwill by 1,000*l.*, and after paying the life directors' fees (2,100*l.*) recommend a dividend of 11 per cent. on the ordinary shares, which carries with it a further ½ per cent. on the participating preference shares (this extra ½ per cent. for the twelve months ended September 30, 1919, will be added to the usual half-yearly dividend payable on July 1, 1920), thus absorbing 10,995*l.* and leaving 5,488*l.* 17*s.* 6*d.* to be carried forward.

Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C. 4."

Qualitative Analysis.

A mixture of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases occurring in the British Pharmacopœia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances selected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by a *stamped and addressed envelope*, not a stamp merely) will be received up to Tuesday, February 17, on which day the samples will be posted. Students' reports will be received up to Saturday, February 28. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

The analysis announced above forms the fourth exercise in the analytical tournament for the current winter session. The usual monthly first and second prizes in this series of analyses will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, which fact *must be attested on their reports.*

Report on the January Analytical Exercise.

The powder distributed to students on January 13 contained seventeen parts by weight of lead nitrate, two parts of zinc hydroxycarbonate, and one part of silver acetate. The calculated composition of such a mixture is:

Ag	3.2
Pb	53.1
Zn	5.7
$C_2H_3O_2$	1.8
NO_3	31.9
CO_3	1.8
OH	2.0
H_2O	0.5
	100.0

Samples of the powder were distributed to eighty students, and twenty-eight reports were sent in for examination. The writers of all these reports were successful in detecting the lead. The failures in the detection of the other constituents were: (*a*) Metallic radicals: silver, 20; zinc, 16. (*b*) Acid radicals: Acetic, 21; nitric, 18; carbonic, 18. Thirteen students failed to report the considerable evolution of water when the powder was heated in a dry test-tube.

This exercise was in some respects a more difficult one than any that has been submitted to our correspondents recently, and this fact is reflected in the lower marks obtained in nearly every instance. Failures in the detection of silver, zinc, and the radicals of acetic and carbonic acids are largely responsible for this lower scoring, but the reporting, as main constituents, of substances which were not actually present has also been a serious contributing cause.

The greatly preponderating proportion of lead chloride in the silver-group precipitate rendered the detection of the silver chloride, which this precipitate also contained, a matter for moderate, although not for extreme, care. To the practised eye the precipitate did not look quite like one of lead chloride alone, and due examination revealed the presence of the silver chloride with but little difficulty. Where failure occurred, it was usually due either to too casual observation during the systematic examination of the precipitate, or to entire omission to carry out this examination. The readiness with which small quantities of silver chloride dissolve in moderately concentrated hot hydrochloric acid probably misled some students, owing to their supposing that this substance could not be present in the original solution prepared by boiling the powder with hydrochloric acid.

Failure to secure complete separation of the lead as sulphide by means of hydrogen sulphide was, as it very frequently is, the cause of considerable doubt and confusion in the later stages of the systematic examination for metals. Thus, lead sulphide, precipitated in the zinc group, was occasionally responsible for obscuring, by its dark colour, the zinc sulphide which accompanied it, while it was itself occasionally mistaken for nickel sulphide or ferrous-sulphide. Further, the reactions attributed in several cases to aluminium seem to have been produced by traces of lead.

In a number of instances the formation of a sulphide precipitate due to zinc either did not take place or, if it did, it was entirely overlooked. Several reports of the presence of magnesium probably originated from reactions due to zinc which had not been separated as sulphide at the proper stage.

The proportion of the acetic acid radical present was very small, and delicate procedure and close observation were requisite to establish its presence with certainty. A few correspondents succeeded in doing this by carefully applying the test with ferric-chloride, and that depending upon the production of cacodyl. A few others included acetic among the acid radicals, without, however, adducing quite convincing evidence of its presence.

A formidable list of constituents reported, but not actually present, includes mercury, copper, bismuth, cadmium, aluminium, nickel, manganese, magnesium, potassium, ammonium, chloride, fluoride, sulphate, borate, oxalate, nitrite, and phosphite.

Prizes.

The first prize for the best analysis has been awarded to

Howard Bransby, Grove Street, Wilmslow, Cheshire.

The second prize has been awarded to

Helen L. Wilson, The Pharmacy, Bonnyrigg, Midlothian.

First Prize.—Any scientific book that is published at a price not greatly exceeding half-a-guinea may be taken as a first prize.

Second Prize.—Any scientific book which is sold for about five shillings may be taken as a second prize.

The students to whom prizes are awarded are requested to write at once to the Publisher naming the book or books they select.

Marks Awarded for Analyses.

1. *Correspondents who are unqualified:*

H. Bransby (1st Prize)	85	Secundus	62
H. L. Wilson (2nd Prize)	80	Serum	62
Ferrum	78	Daphne	58
Mytosis	76	Quaker	58
Nitrosyl	76	Man Friday ...	56
Ashes	74	Benzaldehyde ...	55
Dose	72	Sparks	55
Ganymede ...	72	Trix	55
Gee-Gee	71	Notac	45
T. E. P.	70	A. M. M. ...	39
Dizo	67	Roustchuk ...	34
Hirudo	67	$(x+y)^2$	26
A. Z.	62		

2. *Correspondents who are qualified:*

Amateur	62	Prospector ...	67
Atropa	51		

To Correspondents.

H. L. Wilson.—The powder dissolved completely in dilute nitric acid. The slight insoluble residue which you observed in trying the experiment probably consisted of silver chloride, due to chlorides present in tap-water. The odour of chlorine noticed on heating the powder with concentrated hydrochloric acid was due to the interaction of the latter with the nitric acid radical.

Ferrum.—The colour of the precipitate formed when the powder was boiled with sodium carbonate and water was caused by the darkening which silver carbonate exhibits on gentle heating. In preparing a solution to be tested for phosphate by means of ammonium molybdate, the use of hydrochloric acid should be altogther avoided, if possible. The dirty brown precipitate which you obtained in the zinc group and attributed to lead only, must have contained the zinc as sulphide.

Mytosis and Others.—The precipitate in the first group (consisting mainly of lead chloride) did not dissolve completely in boiling water. Some silver chloride remained undissolved, but this you overlooked.

Nitrosyl.—The deposition of water in the tube when quite a small quantity of the powder was heated in a narrow ignition tube, was not difficult to observe. The quantity evolved was small, however.

Ashes.—Test your sodium carbonate for chloride and sulphate, and if either be found, discard it in favour of a pure supply.

Dose and A. Z.—The filtrate from the lead and silver chlorides should have given a precipitate of lead sulphide on passing hydrogen sulphide. That it did not do so is evidence that too great a concentration of hydrochloric acid was present in solution. Read also the reply to "Ashes."

Ganymede.—The precipitate obtained upon boiling the powder with nitric acid, diluting, filtering, and adding hydrochloric acid in very small quantity, would consist mainly or entirely of silver chloride. You report that it dissolved in ammonia, but you omit to state whether it was separated by filtration and well washed with water before the ammonia was applied, or whether the ammonia was simply added to the liquid through which the precipitate was diffused. If the latter, a new precipitate of lead hydroxide was certain to appear which would effectually mask the dissolving effect of the ammonia upon the silver chloride.

Gee-Gee and Hirudo.—The zinc which remained undetected and not separated at the proper stage most likely yielded the reactions which you attributed to magnesium. A careful test for ammonium failed to furnish any evidence of the trace which you report.

T. E. P.—There was much more to be observed than the mere formation of a white precipitate when the powder was heated with concentrated sulphuric acid. This preliminary test usually furnishes some most useful information, and it deserves the closest attention which you can give to it. After dissolving a zinc-group precipitate in hydrochloric acid, always boil out hydrogen sulphide from the solution prior to adding sodium hydroxide in excess, otherwise a precipitate of zinc sulphide will be formed which may be mistaken for manganous hydroxide.

Dizo.—As evidence for the presence of a carbonate you report the formation of a white precipitate on adding magnesium sulphate solution—to what, you do not state. If you added it—as is commonly done in applying this usually futile test—to the aqueous extract from the powder, the precipitate would consist of lead sulphate. Note that ferric chloride yields a red-coloured solution, not a red precipitate, with a solution of an acetate.

Secundus.—It will repay you to make an experimental examination of the conditions necessary to secure complete separation of lead as sulphide; also, to familiarise yourself with the colours of the sulphides of the metals of the zinc group.

Daphne.—An attempt to confirm your manganate reaction for manganese was not successful.

Man Friday.—Read the reply to "Dizo," and try the effect of adding a solution of mercuric chloride to a solution of lead nitrate.

Sparks.—Your *nom de plume* has been duly corrected.

Trix.—In your "acid radical tests" you do not give any indication as to what kind of solution the various reagents were added to. This information should have been clearly given. Read also the replies to "Dizo" and to "Man Friday."

Notac.—The powder gave the tests for a nitrate in a marked manner, but did not give those for a nitrite. Fluoride—not flouride.

Births.

Barker.—At "The Outspan," Rickmansworth Roa Watford, on February 9, the wife of D. W. E. Barke F.C.S., chemist and druggist, of a daughter.

Derbyshire.—At Victoria House, Malvern Link, c January 31, the wife of C. H. Derbyshire, Ph.C., of daughter.

Marriages.

Scroggie—Taylor.—At Azamgarh, India, on Decen ber 29, 1919, John Adam Scroggie, eldest son of Mr. J. F Scroggie, chemist and druggist, Lauder, Berwickshire, Mary Lushington Taylor.

Todd—Barker.—At Manchester Cathedral, on Febr ary 3, George Todd, pharmacist, Hollinwood, Oldham, Dorothy, youngest daughter of the late Mr. James Barke Oldham.

U'Ren—Widger.—At Sherwell Congregational Churcl on February 10, by the Rev. E. W. Coltman, assisted b the Rev. H. T. Johnson (uncle of the bride), Cyril Cond U'Ren, chemist and druggist, eldest son of Mr. W. Cond U'Ren, chemist and druggist, 55 Cobourg Street, to Mab Doris, younger daughter of Mr. G. H. Widger, 21 Lockye Road, Plymouth.

Deaths.

Davies.—At 374 Brockley Road, London, S.E. 4, or February 2, Mr. Llewellyn Rhys Davies, chemist and druggist, aged forty-four (see p. 50).

Marshall.—At 36 Woodside Park Road, North Finchley, London, N. 12, on February 4, Mr. John Selkirk Marshall, eldest son of Mr. Albert E. Marshall, chemist and druggist, manager of the "Fastnet" Surgical Dressing Co., Ltd., Horsell Road, N. 5.

Warburton.—At 20 Bolton Road, Farnworth, recently, after a long illness, Mr. Arthur William Warburton, chemist and druggist, eldest son of Mr. Edward Warburton, chemist and druggist, 81 Market Street, aged thirty-four. Mr. Warburton, who qualified in 1910, assisted his father in business. He was unmarried.

Deed of Arrangement.

Watt, John, 89 Middle Street, Yeovil, chemist and druggist. Trustee: P. S. Booth, 31 Kimberley House, Holborn Viaduct, London, E.C., accountant. Dated, February 2; filed, February 7. Liabilities, 337*l.*; estimated net assets, 409*l.* Among the creditors are: Wright, Layman & Umney, Ltd., 59*l.*; London Essence Co., Ltd., 12*l.*; D. & W. Gibbs, Ltd., 12*l.*; R. Ferber, Ltd., 6*l.*; Evans Sons Lescher & Webb, Ltd., 29*l.*; A. & F. Pears, Ltd., 9*l.*; C. R. Harker, Stagg & Morgan, Ltd., 40*l.*; May, Roberts & Co., Ltd., 7*l.*; Baiss Bros. & Co., Ltd., 9*l.*; Vinolia Co., Ltd., 7*l.*; British Diamalt Co., 6*l.*; National Drug Co., Ltd., 18*l.*; E. Jackson & Co., Ltd., 9*l.*; Wigglesworth, Ltd., 10*l.*

The "Daily Express" publishes a letter from a correspondent, drawing attention to the "great evil which follows the suppression of alcoholic drinks," and in support of this statement gives the following figures of narcotic drugs imported into Canada: 1912, 33 oz. cocaine ($88), 440 oz. morphine ($1,142), crude opium, 5,017 lb. ($34,263); 1919, 12,333 oz. cocaine ($142,123), 30,087 oz. morphine ($179,195), crude opium, 34,263 lb. ($534,555). The increase is remarkable, but no doubt the idea was to forestall legislation regarding imports, which took effect from December 31, 1919.

Personalities.

MR. E. J. DOBSON, chemist and druggist, Deal, has been elected President of the Deal and Walmer Chamber of Commerce.

MR. F. P. PICK, chemist and druggist, 54 St. James's Street, Burnley, is the President-elect of the Burnley Chamber of Trade.

MR. V. J. WOOLLS, chemist and druggist, Margate, has been elected a member of the committee of the Margate Chamber of Commerce.

MR. A. H. BARNETT has resigned his position with Burroughs Wellcome & Co. to join the representative staff of British Colloids, Ltd.

THE NEW SECRETARY of the South Wales and Monmouthshire Federation of Pharmaceutical Associations is Mr. W. T. Sivertsen, 7 Alexandra Terrace, West Cross, Swansea.

MR. J. TUTE, chemist and druggist (Green & Co.), Wood Street, Swindon, who has been seriously ill as a result of an accident in his pharmacy, is reported to be recovering.

MR. MONTAIGN M. STERLING, president of E. Fougera & Co., Inc., New York, is expected in London in March. His headquarters will be at H. B. Sleeman & Co., Ltd., 84 Leadenhall Street, E.C.

MR. DOUGLAS F. WELLER, London manager for Mr. Parkin S. Booth, accountant to the Association of Manufacturing Chemists, Ltd., was initiated in the Salisbury Lodge of Freemasons, 435, on February 5.

MR. R. WALDEGRAVE, a director of Williams & Co., Ltd., chemists, Swindon, was, at the Consecration of The Lodge of Remembrance, No. 4,037, at Swindon, on February 4, appointed J.D. for the current year.

MR. J. MEADOWCROFT, J.P., a director of W. Meadowcroft & Sons, Ltd., essence manufacturers, Blackburn and Birmingham, was, on February 5, elected president of the Blackburn Guardian Society for the Protection of Trade.

MR. J. G. TRINGHAM, who for the past ten years has had charge of the packed goods and publicity departments of Ayrton, Saunders & Co., Ltd., Liverpool, has joined Macleans, Ltd., 6 Spring Grove, Paddington, London, W.

M. R. PATTOU, of Brussels, who is well known to many British pharmacists, has received the cross of knight of the order of Leopold with silver star from King Albert, in recognition of the services which he rendered to his country during the German occupation.

MR. CHARLES DAVIS, chemist and druggist, 90 Warwick Street, Leamington Spa, has been elected a member of the joint committee on tuberculosis for Warwickshire. Mr. Davis is vice-chairman of the sanatorium committee of the Warwickshire Insurance Committee.

MR. A. V. WOOD, eldest son of Mr. Vincent Wood, surgical-appliance manufacturer, 91 and 93 Newington Causeway, London, S.E. 1, had his right arm fractured in an accident on January 20. Mr. A. V. Wood is making satisfactory progress in a nursing home.

MR. A. C. ALLEN, chemist and druggist, secretary of the Wiltshire County Pharmacists' Association, has successfully defended a local firm of traders before the local Profiteering Committee. Mr. Allen has also been appointed a member of a special profiteering committee in connection with the Swindon Chamber of Commerce.

DR. CHARLES F. CHANDLER, formerly professor of chemistry in the New York College of Pharmacy, was presented on January 16 with the Perkin Gold Medal of the Society of Chemical Industry Dr. Chandler, who was born in 1836, has had a distinguished career as an industrial chemist. The presentation took place at the Chemists' Club, New York.

SIR LEO CHIOZZA MONEY, in the "Tottenham Weekly Herald," criticises Mr. H. S. Abrahamson (managing director of the British Quinine Corporation and prospective Liberal candidate for South Tottenham) in regard to the Corporation's quinine transactions with the War Office. Sir Leo based his criticism on the one-sided Board of Trade report; and Mr. Abrahamson, in his reply, gives him a good trouncing by exposing his ignorance on quinine matters. There are two columns about the matter in the "Weekly Herald," and the controversy appears to have arisen from a meeting of the Women's Liberal Association addressed by Mr. Abrahamson on "How to Bring Down Prices."

MR. J. L. HOLLINGWORTH, F.C.S., F.L.S., chemist and druggist, the newly elected chairman of the Public Pharmacists' Association, is a Yorkshireman, and studied at Firth's College (now the Sheffield University). He holds the post of chief pharmacist to the Chelsea Hospital for Children, London, S.W. Mr. Hollingworth has many interests outside pharmacy. He has been President of the South-Eastern Federation of London Adult Schools; he also takes a keen interest in India and its literature. A strong educationist, he is an uncompromising advocate of the best education for everyone. The Public Pharmacists' Association considers itself fortunate in having as chairman a pharmacist with such wide knowledge and experience.

MR. OWEN JENKINS, chemist and druggist, this year's President of the Cardiff Pharmacists' Association, was born at Neath, and served his apprenticeship there to Mr. John Hill, Ph.C. Mr. Jenkins then went to London, and after two years' experience as a junior assistant qualified in 1888. He next became manager to a Cardiff pharmacist, and eventually started business on his own account twenty-three years ago at 372 Cambridge Road, where he has built up an excellent business. Mr. Jenkins has been an ardent supporter of the Cardiff Association since its formation, hardly ever missing a meeting.

MR. O. JENKINS.

MR. FRANCIS H. CARR, F.I.C., F.C.S., has joined the directorate of The British Drug Houses, Ltd., 22-30 Graham Street, City Road, London, N. 1. For some time past extensive preparations have been taking place at the Graham Street premises for developments in the manufacture of fine chemicals, and in these developments Mr. Carr will take an active part, practically all his past career having been devoted to chemical research. At an early stage he was a Salters' Company's Research Fellow in chemistry, and spent three years at the Finsbury Technical College and two years in the research laboratory of the Pharmaceutical Society of Great Britain. From the year 1893 onwards he contributed to various scientific bodies (either alone or in association with W. R. Dunstan, H. A. D. Jowett, and W. C. Reynolds) papers on the alkaloids of aconite, of ergot, and of hyoscyamus, in addition to others less closely related to pharmacy. In 1895 he became a life member of the Chemical Society, and in 1899 he received the Fellowship of the Institute of Chemistry, on the council of which he has served twice.

MR. F. H. CARR.

KOREAN GINSENG.—The annual estimated amount of medicinal ginseng grown in Chösen in 1918 was 30,000 kin, valued at 2,000,000 yen (204,855*l.*). Ginseng is evidently a handsome source of revenue to the Japanese Government, and its quality is unrivalled.

The New By-law.

We reported last week that the Privy Council had signified its assent to the by-law made under Section 4 (*b*) of the Poisons and Pharmacy Act, 1908, which admits apothecaries' assistants without examination to the Register of Chemists and Druggists. The following are the regulations made by the Pharmaceutical Society:

Applicants applying to be registered as chemists and druggists in pursuance of the provisions of the above by-law must make the following statutory declaration:

I (full name and address) .....
of .....
in the County of ....., do solemnly and sincerely declare that on the.....day of.....
(1) I obtained under the provisions of the Apothecaries Act, 1815 (Section 17), a Certificate of Qualification to act as an assistant to any apothecary in compounding or dispensing medicines.* (2) I have been for seven years immediately prior to the date of this application employed as under:

Set out—

(*a*) The full description and address of the institution or institutions in which you have been employed during the seven years prior to the date of your application.....
.....

(*b*) The exact and complete duties performed by you in the institution or institutions .....
.....

(*c*) State if these duties were performed under the supervision of any other officer at the institution, give the name and description of such officer, and .....

(*d*) The daily hours of duty .....
.....

(3) During the aforesaid period I have been a whole-time servant of the institution or institutions. And I make this solemn declaration conscientiously believing the same to be true, and by virtue of the Statutory Declarations Act.

To be declared before a person duly authorised to administer oaths:

Taken and declared at .....
this.....day of....., 19....., before me.
.....
Signature of applicant.

The applicant will be required to produce a statutory declaration by the Superintendent Medical Officer, or, failing him, the Chief Administrative Officers of the Governing Body of the Institution referred to in the applicant's declaration, to the effect:

To be declared before a person duly authorised to administer oaths:

I, ...
of .....
in the County of ....., do solemnly and sincerely declare of my personal knowledge that the statements contained in the foregoing declaration made by .....
.....are true.

If the applicant relies upon service in more than one institution a statutory declaration must be made in respect of each institution in which the service has been passed.

Appended is the list of institutions approved by the Council of the Pharmaceutical Society for the purpose of this by-law.

List of Institutions Approved under the By-law:

Poor-law infirmaries and dispensaries under the supervision of the Ministry of Health; lunatic asylums under the control of Public Authorities; H.M. prison hospitals; Metropolitan Asylums Board fever hospitals.

London.

Brompton Chest Hospital	London, S.W.
Charing Cross Hospital	London, W.C.
Finsbury Dispensary	Brewer St., Goswell Road.
German Hospital	Dalston, N.E.
Great Northern Central Hospital	Holloway Rd., N.
Guy's Hospital	London, S.E.
Hampstead General and North-Western London Hospital	Haverstock Hill.
Hospital for Sick Children	Gt. Ormond Street, W.C.
King's College Hospital	Denmark Hill, S.E.
London Garrett Anderson Hospital for Women	Euston Road.
London Hospital	Whitechapel Road.
London Temperance Hospital	Hampstead Road.
Metropolitan Hospital	Kingsland Road.
Middlesex Hospital	London, W.
Mount Vernon Hospital	Hampstead.
Mount Vernon Hospital for Consumption and Diseases of the Chest	Northwood.
National Hospital	Queen Square, W.C.
Northern Hospital	Winchmore Hill, N.
Poplar Hospital for Accidents	East India Dock Road, E.
Prince of Wales's General Hospital	Tottenham.
Queen Mary's Hospital for the East End	Stratford.
Queen's Hospital	Hackney, E.
Royal Cancer Hospital	Brompton Rd., S.W.
Royal Free Hospital	Gray's Inn Road, W.C.
Royal London Eye Hospital	
St. Bartholomew's Hospital	London, E.C.
St. George's Hospital	London, S.W.
St. Mary's Hospital	London, W.
St. Thomas's Hospital	London, S.E.
Seamen's Dreadnought Hospital	Greenwich, S.E.
University College Hospital	London, W.C.
Victoria Park Chest Hospital	London, E.
West London Hospital	Hammersmith Rd., W.
Westminster Hospital	London, S.W.
Willesden Municipal Hospital	London, N.W.
Woolwich Royal Arsenal Medical Dept.	Woolwich.

Country.

Addenbrooke's Hospital	Cambridge.
Ancoats Hospital, and Ardwick and Ancoats Dispensary	Manchester.
Ashton-under-Lyne District Infirmary and Kershaw's Children's Hospital	
Aylesbury, Royal Buckinghamshire Hospital	
Bath Royal United Hospital	Beau Street.
Beckett Hospital and Dispensary	Barnsley.
Bedford County Hospital	
Birkenhead Borough Hospital	
Birmingham and Midland Hospital for Women	Sparkhill.
Birmingham City Hospitals	Lodge Road.
Birmingham General Hospital	Steelhouse Lane.
Blackburn and East Lancashire Royal Infirmary	
Bolton Infirmary and Dispensary	
Borough Hospital	Bootle.
Bradford Children's Hospital	Bradford.
Bradford City Fever and Infectious Diseases Hospital	
Bradford Royal Infirmary	
Bradford Royal Eye and Ear Hospital	
Bristol General Hospital	
Bristol Royal Infirmary	
Bristol Royal Hospital for Sick Children and Women	
Burton-on-Trent Infirmary	
Bury Infirmary	Walmersley Road, Bury.
Cheltenham General Hospital and Dispensary	
Chester Royal Infirmary	
Chesterfield and North Derbyshire Hospital	
City Fever Hospital	Seacroft, Leeds.
City Hospital for Infectious Diseases	Coventry.
City Hospital for Infectious Diseases	Walker Gate, Newcastle-on-Tyne.
Coventry and Warwickshire Hospital	
Croydon Borough Hospital	
Croydon General Hospital	
Cumberland Infirmary	Carlisle.
Darlington Hospital and Dispensary	
David Lewis Northern Hospital	Leeds Street, Liverpool.
Derbyshire Royal Infirmary	Derby.
Devonshire Hospital and Buxton Bath Charity	Buxton.
Downs Sanatorium	Sutton, Surrey
Durham County Hospital	
East Suffolk and Ipswich Hospital	Ipswich.
Essex County Hospital	Colchester.
Gloucester Dispensary	

* Documentary evidence of this must accompany the declaration.

Gloucestershire Royal Infirmary and Eye Institution	Gloucester.
Gosport Royal Marine Infirmary	
Gravesend Hospital	
Great Yarmouth Hospital	Dene Side.
Guest Hospital	Dudley.
Gwent Royal Hospital	Newport, Mon.
Halifax Royal Infirmary	
Herefordshire General Hospital	Hereford.
Huddersfield Royal Infirmary	
Hull Royal Infirmary	
Huntingdon County Hospital	
Ingham Infirmary and South Shields and Westoe Dispensary	South Shields.
Jessop Hospital for Women	Sheffield.
Kendray Hospital	Barnsley.
Kent and Canterbury Hospital	Canterbury.
Kidderminster Infirmary and Children's Hospital	
King Edward VII.'s Hospital	Cardiff.
Leeds General Infirmary	
Leicester Royal Infirmary and Children's Hospital	
Lincoln County Hospital	
Liverpool City Hospital, East	Mill Lane, Old Swan.
Liverpool City Hospital, North	Netherfield Road.
Liverpool City Hospital, South	Grafton Street.
Liverpool City Tuberculosis Hospital	Fazakerley.
Liverpool Eye and Ear Infirmary	
Liverpool Infirmary for Children	Myrtle Street.
Liverpool Royal Infirmary	
Liverpool Royal Southern Hospital	
Manchester Children's Hospital	Pendlebury.
Manchester Hospital for Consumption and Diseases of Throat and Chest	Hardman Street, Deansgate, Manchester.
Manchester Northern Hospital for Women and Children	
Manchester Royal Eye Hospital	Oxford Road.
Manchester Royal Infirmary and Dispensary	
Mansfield and District Hospital	
Monsall Fever Hospital	Newton Heath, Manchester.
Newcastle-on-Tyne Hospital for Sick Children	
Norfolk and Norwich Hospital	Norwich.
Northampton General Hospital	
North Lonsdale Hospital	Barrow-in-Furness.
North Ormesby Hospital	Middlesbrough.
North Riding Infirmary	Middlesbrough.
North Staffordshire Infirmary	Stoke-on-Trent.
Nottingham Children's Hospital	
Nottingham General Hospital	
Preston and County of Lancashire Queen Victoria Royal Infirmary	
Princess Alice Memorial Hospital	Eastbourne.
Queen's Hospital	Birmingham.
Queen Mary's Hospital for Children	Carshalton.
Radcliffe Infirmary and County Hospital	Oxford.
Reading Provident Dispensary	Reading.
Rochdale Infirmary and Dispensary	
Rotherham Hospital and Dispensary	
Royal Albert Edward Infirmary and Dispensary	Wigan.
Royal Albert Hospital and Eye Infirmary	Devonport.
Royal Bath Hospital	Harrogate.
Royal Berkshire Hospital	
Royal Devon and Exeter Hospital	Exeter.
Royal Hants County Hospital	Winchester.
Royal Hospital	Richmond.
Royal Infirmary	Oldham.
Royal Infirmary	Sheffield.
Royal Infirmary	Sunderland.
Royal Liverpool Country Hospital for Children	Liverpool.
Royal Portsmouth, Portsea and Gosport Hospital	Portsmouth.
Royal South Hants and Southampton Hospital	Southampton.
Royal Salop Infirmary (The County Hospital)	Shrewsbury.
Royal Surrey County Hospital	Guildford.
Royal Sussex County Hospital	Brighton.
Royal Victoria and West Hants Hospital	Bournemouth.
Royal Victoria Hospital	Folkestone.
Royal Victoria Infirmary	Queen Victoria Rd., Newcastle-on-Tyne.
Royal West Sussex Hospital	Chichester.
St. Bartholomew's Hospital	Rochester.
St. Chad's Hospital	Hagley Road, Birmingham.
St. Helen's Hospital	Pleaseley Cross
Salford Royal Hospital and Dispensary	
Salisbury General Infirmary	Salisbury.
Sheffield City Hospitals for Infectious Diseases—Lodge Moor Hospital	
Sheffield Free Hospital for Sick Children	Western Bank.
Sheffield Royal Hospital	
South Devon and East Cornwall Hospital	Plymouth.
Southport Infirmary	
Staffordshire General Infirmary	Stafford.
Stanley Hospital	Liverpool.
Stockport Infirmary	
Stoke-on-Trent and Stoke Rural Joint Hospital	Eaves Lane.
Taunton and Somerset Hospital	Taunton.
Torbay Hospital, Provident Dispensary and Eye Infirmary	Torquay.
Tunbridge Wells General Hospital	
Victoria Hospital	Whitegate Drive, Blackpool.
Victoria Hospital	Burnley.
Victoria Hospital for Sick Children	Park Street, Hull.
Walsall and District Hospital	
Wandle Valley Joint Isolation Hospital	Beddington Corner Mitcham.
Warnford, Leamington and South Warwickshire General Hospital	Leamington.
Warrington Infirmary and Dispensary	
West Bromwich and District Hospital	
West Kent General Hospital	Maidstone.
West Suffolk General Hospital	Bury St. Edmunds.
Wolverhampton and Staffordshire General Hospital	
Worcester General Infirmary	
York County Hospital	

Coming Events.

Tuesday, February 17.

London (South-West) Chemists' Association, Thistle Tea Rooms, Balham Hill, London, S.W., at 8.30 P.M. Mr. Hugo Wolff on "A Trade Union for Pharmacy."

Manufacturers' Agents' Association, Great Hall, Cannon Street Hotel, London, E.C., at 7 P.M. Bohemian concert in aid of St. Bartholomew's Hospital and the Warehousemen's, Clerks', and Drapers' Schools. Tickets (2*s.* 6*d.* each) from the Secretary, 90-91 Queen Street, Cheapside, London, E.C.

Wednesday, February 18.

London (Western) Pharmacists' Association, Central Y.M.C.A (Drawing Room), Tottenham Court Road, London, W., at 8.30 P.M. Lantern lecture by Mr. S. Jamieson on "Paraffin from the Wells to the Pharmacy." Business meeting to precede lecture at 8 P.M.

Pharmaceutical Society of Great Britain (North British Branch), 36 York Place, Edinburgh, at 8 P.M. Papers on "Opium Assay from the International Standpoint," by Mr. D. B. Dott, F.R.S.E.; "A Quick Method of Preparing the Official Grey Powder," by Mr. Peter Boa, Ph.C.; "Some Dispensing Problems," by Mr. A. B. Gilmour.

Sheffield Pharmaceutical and Chemical Society, Literary and Philosophical Society's Rooms, Church Street. Mr. J. Humphrey, Ph.C., on "Anticipations and Realisations."

Southend-on-Sea Association of Pharmacists, Boots' Café, The Broadway, High Street, at 7.30 P.M. Annual dinner. Tickets from Mr. Sydney Body, 167 The Broadway.

Thursday, February 19.

Glasgow and West of Scotland Chemists' Association, 165 Hill Street, at 8.30 P.M. Mr. James Lennox on "The Pharmacist as a Business Man."

London (Western) Pharmacists' Association (Fulham and Hammersmith District), Clarendon Restaurant, Hammersmith Broadway, London, W., at 6.45 P.M. Supper and concert. Tickets 7*s.* 6*d.* each. Morning dress.

North London Pharmaceutical Association, Florence Restaurant, Rupert Street, Regent Street, London, W. Annual dinner. Tickets (10*s.* 6*d.* each) from Mr. Herbert Skinner, The Dispensary, Great Northern Hospital.

Sunday, February 22.

The Amalgamated Society of Pharmacists, Drug and Chemical Workers, Terry's Cinema, Strand, London, W.C., at 11 A.M. Mass meeting of managers, assistants, and apprentices

PETERBOROUGH CHEMISTS' ASSOCIATION.—The annual meeting will be held on February 26 at 3 P.M., to be followed by a dinner. Tickets (7*s.* 6*d.* each) from Mr. J. W. Bodger, 45 Broadway, Peterborough.

Trade Notes.

TAPON for tying up parcels is made by S. D. Simond & Co., Ltd., 10 Monument Street, London, E.C. 3. (Corrected notice.)

KUTSEAL is a British liquid court plaster made by the Kutseal Co., Blackpool, for whom the London agents are the S.W.K. Co., 1 Portsmouth Street, W.C. 2.

MOKOL is a new face cream made by the Mokol Co., 98 Hatton Garden, London, E.C. 1. It is a white cream employed also for softening the hands and protecting the skin from the effects of the weather.

MR. KIHEI KONISHI, exporter of chemicals and drugs, Osaka, Japan, sends out a wall calendar (12 in. by 8½ in.). It is well arranged for reference, and is illustrated with drawings of the business premises and of Japanese pharmaceutical products.

SUCRON TABLETS.—The Greenwich Lemonade Co., 11 John Penn Street, London, S.E. 13, inform us that the sales of Sucron tablets and powder are booming now that sugar is scarce and dear. The price of a special parcel is given in this issue.

PEARLITE BOXES are made of cardboard, and are impregnated so that they are damp-proof. A striking testimony to the value of the boxes is given in the advertisement of the Pearlite Box Co. (1918), Ltd., 135 Shepperton Road, New North Road, London, N. 1.

J. R. LOCKWOOD & CO., LTD., wholesale stationers, 168 St. John Street, Clerkenwell, London, E.C. 1, issue a card calendar entitled "The Whole Year at a Glance" (16 in. by 10½ in.). It is well adapted for shop and office. The postal information will be found useful.

CUTEX PREPARATIONS.—The prices of Cutex manicuring preparations have been advanced. The new prices are given in the advertisement of the sole agents, Henry C. Quelch & Co., 4 and 5 Ludgate Square, London, E.C. 4. A special catalogue of these preparations is being printed, and will be distributed within the next ten days.

EMPIRE COLD CREAM.—The Empire Perfumery Co., Oldbury, near Birmingham, have sent us a sample pot of the white rose cold cream which was advertised recently in the *C. & D.* The cream, a beautifully perfumed product, is put up in opal pots with aluminium screw caps. It retails at 1*s.* and 1*s.* 6*d.* a pot, and is also packed in tubes (each in a carton), which retail at 8½*d.* and 1*s.*

"JOHN BULL" PRIZE WINDOWS.—In connection with the window-dressing competition, the results of which were announced in the *C. & D.*, February 7, p. 78, it is intended to hold an exhibition of photographs of the window displays of all the winners of prizes and diplomas. This will be held at 323 High Holborn, London (opposite Chancery Lane Tube Station), from February 23 to 27, between 10 A.M. and 4.30 P.M. daily.

COLLAPSIBLE TUBES.—Macleans, Ltd., 6 Spring Street, Paddington, London, W. 2, are specialists in the decoration of collapsible tubes used for dental creams, etc. The point about these colour enamelled tubes is that there is no label to become detached or soiled, as the name and other particulars are enamelled in a permanent manner on the tube. Mr. J. G. Tringham is in charge of the sales department of this company, and would be glad to submit particulars and samples of dental cream to chemists who write to him. The samples we have seen show that there is an ample variety of decorative designs available. The tubes are sent out in boxes of six, and the arrangements for printing the chemist's name on the tubes is carried out when quantities of one gross are ordered.

ROSINE PERFUMES.—We have this week inspected some new lines in Poviet's Rosine perfumes, for which the agents are W. H. Calnan & Co., 30-32 Ludgate Hill, London, E.C. 4. The three new lines are Pierrot perfume, Aladin perfume, and lavender water. The style of these is particularly beautiful, and notwithstanding the apparently high price the perfumes sell readily in the best class of business. The packings embody quite a number of distinctive features. The Pierrot perfume, with black stopper and tiny white frill round the nec the bottle, instinctively reminds one of the pier from which it receives its name, and this is height by the black and white outer. The Aladin perfume in a bizarre metal bottle with chain suggesting the m lamp, the perfume being of the Oriental character one would expect. The lavender water—a novel dich effect is given to it in some way—is in a hand-pair bottle displaying excellent taste.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

Mr. Uglow Woolcock's Speech.

The speech delivered by Mr. W. J. Uglow Woolco M.P., in seconding the address in reply to the spe from the Throne was (writes our Parliamentary cor spondent) a model of what such speeches should be. was delivered in admirable style—refined and culture and made an excellent impression upon the Chamb The hon. member's task was rendered all the more di cult by reason of the fact that he followed Mr. Sidn Peel, the mover, whose address he himself described particularly brilliant, and who received an especially sy pathetic greeting, first as the bearer of a great Parl mentary name, and then, from the fact that this was t first occasion upon which he had spoken in the Chamb Mr. Uglow Woolcock, who was in Court dress, laid spec stress upon the promise contained in the gracious spee as to the introduction of a Bill dealing with the hou of labour of adults. He trusted that this would al deal with the hours of wage-earning children who, in ad tion to attending school, were at later periods of t day working long hours in other spheres. The hon. me ber hinted that his interest in this question might le him when the Bill was introduced to call attention certain aspects of the question, and, if so, he trusted th he should have the sympathy both of the Government a of the House. The peroration was "The part whi Britain has played in the world in the past is no me one, and if we will unitedly accept our heavy respo sibilities and will seize our present opportunities it w be equally great in the future.

"'Our deeds still travel with us from afar,
And what we have been makes us what we are.'"

New Bills.

Notice was given on the opening day of the sessi (February 10) that several Government Bills would introduced, among them being one "To deal with the co tinuance of certain emergency enactments and regulations and another "To deal with unemployment insuranc hours of employment, and the constitution of the Minimu Rates of Wages Commission."

Information Department.

INFORMATION WANTED.

178/59. Syrup bromola pini
178/58. Faraday's cement
178/62. "Mikygene Valeric"
179/52. Reynold's gout specific
181/7. "Solombo" or "Lolomba" cold cream
181/18. Walder's pastilles
181/21. "Ablo" spray
181/23. "Anusoid"
181/13. Paralimphine oliver
182/31. "Frozo" for chilblains
183/38. "Cross" brand aspiri
183/46. "Glykeron"
183/51. "Headline" for head aches
183/51. "Nasaltone" ointmen for catarrh
172/58. "Princess" enem syringe (Seamles Rubber Co., U.S.A.) London agents

INFORMATION SUPPLIED.

"Alexandra" toilet powder, 178/28
Aluminium boxes, 170/66
Amyl-acetate, 168/39 and 168/39
Angier's emulsion, 173/28
Anti-phthisis oil, 171/17
Arsenic (lump), 171/32
"Arsenauro," 173/60
Bismuth nitrate, 168/39
Celluloid boxes, 170/66
Drug grinders (French inquiry), 167/1
"Enesol," 171/38
"Floorolene," 165/54
"Fuo," 165/42
Influenza mask, 175/3
Iodocaine, 175/72
Mattei's cancer cure, 165/55
Mellin's food (French inquiry), 167/25
Resin flav., 13/16
Rew's carbolic lozenges, 157/60
Sodium bicarbonate, 160/43
Sodium bichromate, 158/3

servations and Reflections.

By Xrayser II.

Council-meeting

of February 4 dealt mainly with matters rm, such as the adoption of the new by-law, the trar's report, and the financial statement. The last may be regarded as fairly satisfactory, though the cial statement does not look so well in the light of Melhuish's remarks and the discussion that followed hen taken purely at its face-value. Mr. Guthrie the Finance Committee was not at all on its defence, though we are admittedly confronted with the pect of a series of lean years at no great distance d, we have apparently made as yet no preparation meeting them and have not even a notion how to them. Mr. Melhuish's suggestion of a sinking fund e most obvious means, but how is it to be realised? re is the money to come from? If the present boom ur income is to be as short-lived as is feared, we no time to save much out of it. There must be ic economy too, and nobody can say where we economise to any great extent; the item spent on ntertainment of Council would be but a poor nucleus ich a fund as may be needed. There seems but one that of an increase of members' subscriptions, or ast a call on members for such a temporary addition eir subscriptions as would suffice for the formation ne fund. We are told this is a day of "abounding perity," and certainly we have been doing very well y. We are told, too, that the Society is advancing eaps and bounds. Very well: take the tide at the l: let us test our loyalty by a call for another guinea ar for a year or two. It may be an "acid test," it is the only one worth anything, and if we cannot d it we do not deserve to survive as a Society.

Announcement of the Names

of the retiring members of Council is a call to action to which we must respond the single aim of vindicating our attitude of last in the great fight over the obnoxious by-law. If we in earnest then we must demonstrate the fact by ng consistently now. Six of the seven men who retire e not only supporters of the by-law—which, of course, had a perfect right to be; our quarrel with them is on that account—but they endorsed and took part he miserable tactics by which the dominant party in Council triumphed. For that we must reckon with n, or acquiesce in our own humiliation under the heel n overbearing, not to say insolent, clique, as disrdful of the decencies of controversy as of the wishes hose for whom they profess to act. We are told that harm has resulted or will result from what they did. t is as may be, but it is not the question. The stion is whether the whole Society and body of pharists is to be at the mercy of half a dozen men who overawe their colleagues on the Council, and by iling themselves of the defects of a constitution which es our fortunes in the hands of a packed meeting get ir own way, whatever it may be, in spite of us. There nly one way in which we can protect ourselves from epetition of such behaviour, and now is the time to e it. We have the opportunity now, and we shall er have it again, to assert ourselves effectively. There good men among the retiring six—men we shall be ry to miss—but none of them is indispensable, and they have an equal responsibility for what was done. They st all go. This is not vindictiveness, but sound policy. e principle of self-government is at stake, and if we ue it we shall not let weakness paralyse our action. can easily find six men as good as the best of these o will uphold the principle these six have betrayed. must send these new representatives to the Council h Mr. Hines at their head, and with this message to ssrs. Currie and Co.: "Your kingdom is divided and ven to the progressives."

Messrs. Leath & Ross

appear to admit that homœopathy as a separate branch of medical practice has not materially advanced in this country during the last fifty years. I am strongly of opinion that it has rather declined in public favour. I, too, have no figures to adduce, but surely these are accessible enough to Messrs. Leath & Ross if they question my opinion. Those quoted in my former note were taken by the *C. & D.* from the "Homœopathic Directory" for 1870. If this is still published it will probably supply us with the present figures; if it is not, that fact alone tends to confirm me. Messrs. Leath & Ross, however, appear to be content with what an election agent would term a "moral victory," which is not, I fancy, very satisfactory to the defeated candidate. Nor am I sure that even this can be claimed for homœopathy, at least with us. The demand for homœopathic medicines in our own shops is certainly much less than it used to be, and I do not notice any great increase in the number of homeœopathic chemists. There is, perhaps, something in the contention that homœopathy with us is unfairly handicapped by the fact that our medical faculty have the education of practitioners in their own hands; but surely your correspondents greatly exaggerate the effect of this monopoly. How much extra education, I wonder, would the homœopathic practitioner have to go through? Even the allopath can choose his own remedies and doses, and it should not take him long to master the Homœopathic Pharmacopœia. Homœo-pathy, in fact, is not a list of materia medica, and many of the remedies "introduced" by its followers are much older than Hahnemann. The argument from America is equally fallacious. We might in the same way argue that the spread of the patent-medicine cult there proves that self-medication is superseding professional treatment. In all this there is nothing adverse to homœopathy as a principle; of that I say nothing. We have doubtless owed a good deal to it, especially in the reduction of the bad old practice of drenching us with unnecessary physic.

The "Tardy Withdrawal"

by the Local Government Board of the insulting reference to chemists and druggists seems to me even less satisfactory as an *amende* than you consider it. It might indeed be read as an aggravation of the original offence rather than a withdrawal. The former statement ran thus: "Treatment by quacks, herbalists, druggists, and persons advertising so-called cures is likely to lead to disastrous results." Here we are simply classed with other more or less disreputable characters, no distinction being made between them. But the amended sentence may be read as meaning that we are especially to be avoided, as if, indeed, we were regarded as the worst specimens of a composite class, and were, therefore, accorded the first place in this *index expurgatorius*, just as among the inferior fallen angels

> Satan exalted sat, by merit raised
> To that bad eminence.

I do not say that this was intended; it all depends upon the "and," the precise force of which is obscure; does it introduce only a fuller enumeration of the "unqualified persons," of whom we are the principal representatives, or a different class altogether? Government clerks are not as a rule masters of English (even the copulative conjunction may be a little beyond them), and you may be right in reading the sentence as intended to except us from the charge of sheer quackery, but this is not grammatically clear, and the implication is very much the same as it was, or, if anything, rather worse.

FINES of 5*s.* have been imposed on two Walsall traders for keeping their shops open after 8 P.M.

CEYLONESE MONAZITE SAND.—About 50 tons of monazite sand have been collected at Bentota, Ceylon, through the Principal Mineral Surveyor and brought to Colombo in bags. The mineral is priced at 40*l.* per ton, and the collecting was undertaken as an experiment more than from a commercial point of view.

"SANITAS"
DISINFECTANTS
FLUIDS, POWDERS, SOAPS & FUMIGATORS
Should be stocked by all Chemists.
THE "SANITAS" CO., Ltd., Limehouse, LONDON, E. 14.

S.V.R. — S.V.M.
AND
CHEMISTS' WINES.
Jas. Burrough Ltd. D.1 Cale Distillery, Hutton Rd., LAMBETH, S.E.11.

PATENTS AND TRADE MARKS.
There are many worrying difficulties to be overcome in connection with the Registration of Trade Marks and the grant of Letters Patent which members of the Retail and Wholesale Drug Trade can avoid by consulting an efficient agent, who would undertake all the trouble for an inclusive fee and obtain protection in the United Kingdom and abroad. Advice in the first instance free. Pamphlets gratis.
58 Ludgate Hill, London, E.C. 4. REGINALD W. BARKER.

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For Proprietary Preparations no dilution wi
Spirit is necessary, thus effecting an enorm
saving in cost, without any sacrifice of efficiency.

Editorial Articles.

Report on Vitamines.

A useful report on the present state of knowledge co cerning accessory food factors has been issued by tl Medical Research Committee appointed under the Nation Insurance Acts. The Lister Institute assisted in tl compilation of the report, which contains many interes ing features. As is well known, the knowledge of tl presence and importance of vitamines is comparative new, and as yet nothing is known as to the chemical natur of vitamines. But of their importance in nutrition ther is no doubt, although, strictly speaking, they are nc nutritive in the same sense as proteins, fats, and carbo hydrates. It has been established that the dietetic de ficiencies which are the cause of beri-beri, scurvy, rickets and pellagra are due to the absence or want of balance i the proportions of vitamines that should form part of th normal diet. The report deals with a large number o experiments that have been made of feeding animals on artificial diets with and without vitamines. These ar at present classified as

(1) Fat-soluble A growth factor or anti-rachitic factor.
(2) Water-soluble B factor or anti-neuritic factor; and
(3) Anti-scorbutic factor.

As an example of an artificial diet that gave excellent dietetic results in the case of young rats may be cite one consisting of purified caseinogen 20 parts; purified starch 55 parts; mixture of crystalline inorganic salts 5 parts; butter fat (as a source of fat and the factor A) 15 parts; and yeast extract (as a source of factor B) 5 parts. The salt mixture consisted of sodium chloride 5.19 parts; magnesium sulphate 7.98 parts; sodium acid phosphate 10.41 parts; potassium acid phosphate 28.62 parts; calcium acid phosphate 16.2 parts; calcium lactate 39 parts; ferric citrate 3.54 parts; and iodine a trace. In addition the animals received occasional doses of orange juice as an antiscorbutic. Several illustrations are given in the report to show the effect of this diet and of foods from which the vitamines are absent. The richest sources of fat soluble A body are butter and egg-yolk; it is also

in many oils and fats derived from the animal
m, a good example being cod-liver oil. The
y sources, however, are the green leaves of plants
he embryos of certain seeds. Yeast is rich in the
soluble B accessory factor; marmite was used in
of the experiments. The liver and the brain con-
onsiderable amounts of this vitamine. The richest
s of anti-scorbutic materials in the vegetable king-
are raw cabbage leaves, raw juice of swedes, and
ices of the citrous fruits. Next the report brings
he importance of the supply of vitamines to the
ng child, and a special chapter is devoted to a con-
tion of accessory factors in the nutrition of infants.
cow's milk appears to be adequate as a source of
ccessory substances necessary for the growth of the
t, and it is stated that the processes employed in the
facture of dried milk have no destructive effect upon
fat-soluble and water-soluble factors, although the
corbutic principle suffers during the preparation.
rietary infants' foods are thus classified :

. Foods with a basis of dried cow's milk but mixed
h flour.

2. Foods consisting mainly of flours, the starch of
ich is practically unaltered or altered only by
king.

3. Foods consisting mainly of flours mixed with a
portion of malt flour or malt extract, but contain-
g much unaltered starch which is not converted into
uble products during the process of preparing the
od for infants in accordance with the directions given
the package.

4. Foods containing flours, but also containing active
atase or pancreatic ferment, so that if the food is
refully prepared according to the directions on the
ckage the starch is appreciably altered.

5. Foods manufactured from flours, the starch of
hich has been mainly or partially converted into
luble products during the course of manufacture.

he observation is made that most proprietary foods
deficient in fat and also in fat-soluble factor, whilst
umber are also stated to be inadequate with respect
he water-soluble factor, and all are deficient in the
i-scorbutic factor. The addition of milk to these foods
eases the amount of these factors present, but it is
ed "the resulting preparation will be inferior to
k." We omitted to mention that it was found that
s fed upon food deficient in the fat-soluble accessory
stance not only show failure to grow, but in most
es contract a characteristic disease of the external eye.
appears that children fed on diets deficient in the
ue accessory substance also develop xerophthalmia, as
condition is called. It is rapidly cured by adding
fat-soluble body to the diet. One other fact that is
ought out is that cod-liver oil owes its value as a
storative agent to the large proportion of fat-soluble
cessory substance that it contains, and that these pro-
rties cannot be supplied by vegetable oils.

Preparatory Pharmaceutical Course.

s mentioned last week, the Council of the Pharma-
utical Society has sanctioned a scheme for a preparatory
urse of studies for ex-Service students who are to com-
ence their college course next October. The subjects
be taken are : (1) Chemistry and physics as covered
Boone's "Elementary Science of Common Life
hemistry)"; (2) chemical calculations. A treatise is
be prepared by Mr. C. E. Corfield; (3) botany, Sir J. D. Hooker's "Science Primer" being the text-book; (4) Latin used in the writing of prescriptions; (5) pharmacy and materia medica, as acquired from a knowledge of the source, collection, preparation, chief constituents, and Pharmacopœial uses of opium, digitalis, belladonna, nux vomica, cinchona, and ipecacuanha. Prizes amounting to 200*l.* are to be awarded to students who reach a certain standard in examinations to be conducted at approved schools. All students whose grants have been authorised are to receive particulars of the scheme and the necessary text-books supplied by the Society free of cost.

Medical Fees.

THE "Lancet" contains an interesting paper by Sir D'Arcy Power on "The Fees of Our Ancestors," an historical survey of the fees which physicians and surgeons receive for their services. When the guinea was first struck in 1660 it was quickly utilised by the doctors as their fee, and continued to be the recognised sum until 1870, when the consultation-fee was raised to two guineas. In 1918 the two-guinea fee was changed to three guineas. Sir D'Arcy gives further particulars regarding country practitioners' fees, which were largely influenced by the profit on the medicines supplied. He states :

Very little seems to be known about the fees charged by country practitioners. Dr. Edward J. Cross, of St. Neot's, has kindly lent me a very interesting ledger showing detailed accounts of the firm, which still exists, for the years 1742-1755. Each item is priced, and ranges from 2*s.* for a bottle of medicine to 3*d.* and 6*d.* for a pill, whilst a visit, or "iter," as it was called technically, was from 2*s.* 6*d.* to 4*s.* 6*d.*, according to the distance. The total account rarely exceeded 5*l.*, and was usually under 1*l.* The patients paid at long intervals, and generally only part at a time. We know from the evidence given by Abernethy at the Royal Commission in 1834 that these charges were the usual ones in the country, for he states that "I was called into the country to see a patient in consultation with his family practitioner, and I ordered the patient a pill. When we left the room the doctor said, 'Do you mind making that pill into a mixture?' I said, 'What difference does it make?' He replied, 'None to you but much to me. If you order him a pill I shall have to come to-morrow to see how it has acted, and I shall only get threepence for my trouble, and I must supply the pill, but if you put it into a bottle I shall receive a more adequate fee.'" Indeed, until 1815 the general practitioner was remunerated entirely by the amount of medicine he could induce his patients to swallow, and not at all for his skill and attention. The end of this bad practice was a side issue of the tax upon glass imposed in 1812. Bottles became so expensive that the general practitioner was obliged to reconsider his position, and thence arose the agitation which culminated in the Medical Act of 1815. The practice of extensive dosing lingered amongst the people until our own time, and the familiar expression of "a blue pill and black draught" is a reminiscence of the time when six or twelve 1-oz. phials were sent out in packets neatly wrapped up in white paper, each phial having a single blue pill in a small box, with white ends and a red body, perched upon the top of the cork. The price was 1*s.* 9*d.* a draught and pill, and there was, I presume, a handsome profit, which was lost when 8-oz. and 12-oz. mixtures came into vogue.

It is not unlikely that the present high prices of drugs and containers, together with the increased wages required by dispensers, may influence doctors to give up dispensing. The tendency had already shown itself in the case of panel practitioners, who find there is more money to be made by sticking to diagnosis and leaving dispensing to the chemist.

MR. H. GRAY, chemist and druggist, 347 Green Lanes, London, N. 4, has acquired the business of Mr. Allan G. Snook, chemist and druggist, Petworth.

BARNES & SON, chemists, Preston, have taken over the stock and prescription-books of Mr. H. G. Crompton, chemist and druggist, 28 Fishergate, Preston.

ORANJE, Amsterdam, essential-oil distillers, have opened a London Office at 54 Lower Thames Street, E.C. 3. Mr. Fredrick Hanf, son of one of the managing directors, will be in charge of the new branch.

Associations' Winter Session.

Bournemouth.—The monthly meeting of the Bournemouth Chemists' Assistants' Association was held on February 3, Mr. L. Watson in the chair, at which Mr. C. Patrick read a paper on *Pharmacy, as it is and as it might be.* He mentioned improvements in the manufacturing of galenicals, and spoke of the different ways in which businesses were conducted at the present time. He outlined the immense saving that would accrue from pooling several businesses, also the advantage of the trade being municipalised, and gave instances of pharmacists' businesses being run by the municipality in certain French towns. The third phase he suggested was the nationalisation of the trade, with a continuous twenty-four hours' service. In the discussion which followed, none of the alternatives to present-day methods met with much enthusiasm. Mr. D. Buchanan (ex-President of the Bournemouth Pharmaceutical Association) then gave some interesting reminiscences of his apprenticeship days.

Brighton.—A meeting of the Brighton and Hove Association of Pharmacy was held on February 5 in the Technical College. There was a good attendanee, including a number of the local pharmacy students. An interesting lecture, illustrated by lantern slides, on *Parasites of the Animal Kingdom,* was given by Mr. R. R. E. Perkins, hon. secretary of the East Sussex Pharmacists' Association. The lecturer, after referring to the various types, explained how many complaints prevalent among human beings and animals have been found to be of parasitic origin. A vote of thanks to the lecturer was afterwards accorded, and Mr. Perkins in his acknowledgment offered, at some future date, to supply a sequel on *Parasites of the Vegetable Kingdom.*

Cardiff.—The annual meeting of the Cardiff Pharmacists' Association was held recently, Mr. Johnson presiding over a fair attendance. A discussion took place on the question of the supply of sugar for pharmaceutical use. It was proposed that a price-list be adopted, and it was pointed out that the Minimum Retail Price-list had already been accepted by the Association. At this juncture Mr. Johnson vacated the chair and called upon the new President, Mr. Owen Jenkins, who, upon taking the chair, thanked the members for the honour they had conferred upon him. Mr. Owen Jenkins, in his presidential address, spoke of the trying times during the years 1914-1918. Mr. Jenkins thought chemists had done the right thing in again accepting the terms offered to them by the Ministry of Health, and he looked forward to the time when we should be in a still better position. Another point in Mr. Jenkins's address was the registration of the Apothecaries' Hall assistants : he felt the Cardiff Association had done its duty in supporting the Society. The Welsh School of Pharmacy was commented upon, and Mr. Jenkins eulogised the work of Mr. Hagon, and suggested that prizes should be offered to the students on the results of the sessional examinations. A hearty vote of thanks was accorded Mr. Jenkins. Votes of thanks were also accorded to Messrs. Harris, Mogg, Murray, and Eason. Delegates to the Chamber of Trade and to the South Wales and Monmouthshire Federation were appointed.

Cheltenham.—The annual meeting of the Gloucestershire Pharmacists' Association was held at the Royal Hotel, Cheltenham, recently. The officers elected for the year are as follows : *President,* Mr. William H. Hill (fifth year in succession) ; *Vice-Presidents,* Messrs. W. H. Hampton, H. Burton Clark, Clarence H. James ; *Hon. Secretary and Treasurer,* Mr. T. B. C. Wickham ; *Auditor,* Mr. Arthur Hill ; *Committee,* Messrs. F. T. Palmer, J. McLanachan, W. Palmer, and C. K. Gregory.

Coventry.—A meeting of the Coventry Association of Pharmacists was held recently, the President (Mr. C. H. Welton) in the chair. It was decided to join the retail section of the Coventry Chamber of Commerce, Messrs. Robinson and Green being appointed delegates. The secretary reported on his attendance at the Birmingham Federation meeting. A list of minimum dispensing charges, drawn up by the Prices Sub-Committee formally adopted. A discussion took place on the service, and it was decided to leave the matter i hands of the Pharmaceutical Committee.

Edinburgh.—The Edinburgh Chemists', Assist and Apprentices' Association visited the sulphuri works of J. & J. Cunningham, Ltd., Leith February 4, upwards of forty members attending. company was received by two members of the tecl staff and conducted over the various departments ir sections, all the processes in active operation being explained. Beginning with the burners, they were s Norwegian pyrites, containing about 30 per cen sulphur, being burned. The parties then visited leaden chambers, where the sulphur dioxide is oxi to sulphuric acid. The nitre pots were explained anc so-called "nitre cake" (acid sodium sulphate) was s in large blocks as it comes from the nitre pots. party then ascended to a height of nearly 100 and had explained to them the structure and wor of the Gay-Lussac and Glover towers. The co trating plant was next visited. At an older serie burners Spanish pyrites was being burned, and third and special series of burners spent iron ox which had been used to remove sulphuretted hydrogen coal gas at the city gasworks, was being treated. A tion was directed to temporary plant hastily erecte war-time, chiefly for use in making T.N.T. A visit also paid to the agricultural fertilisers department, w crude calcium phosphate was being broken up, acted by sulphuric acid, and turned out as the well-kr "superphosphate" fertiliser. On the call of the P dent, Mr. H. Stout, a vote of thanks to the company to the guides was passed with acclamation.

Great Yarmouth.—The monthly meeting of the Yarmouth Pharmaceutical Association was held on ruary 3, Mr. T. B. Male in the chair. A resolution passed protesting against the addition of 1½ per cen chemists' invoices for patents, and the secretary wa structed to send it to the Federation for consider at the next meeting. Mr. A. E. Richmond, chair of the Pharmaceutical Committee, reported that a sc had been agreed upon for panel service during 1920, had been sent to the Minister of Health for his appr It was decided to hold the annual dinner early in Ma and to invite ladies.

Halifax.—The Halifax Chemists' Association hel meeting on February 3, Mr. B. C. Hodgson in the ch at which it was resolved that the local authority sh be notified that chemists are in a position to supply efficient preparation to meet the requirements of Rats and Mice (Destruction) Act. With regard to h for dispensing Insurance prescriptions a seheme was lined which it was thought would meet all requirement

Harrogate.—At a meeting of the Harrogate Phar ceutical Association, held recently, Mr. John K gave an address on *The Work of the Proprietary Arti Trade Association and the Chemists' Defence Associat* A discussion followed, and resolutions were passed t the price of 1*s.* 3*d.* proprietary articles should be raise 2*s.*, and that the Association strongly object to the 1½ cent. addition to proprietary articles and could only a to this as a temporary measure. The members were af wards entertained to tea by the President (Mr. H. Illingworth).

Leeds.—A special meeting of the Leeds Chemi Association was held on February 3, under the preside of Mr. N. N. Armitage, to consider the resolution the Council of the Proprietary Articles Trade Associat under which the retailer is charged, by the wholesa an extra 1½ per cent. on the cost of all proprietary artic There was a good attendance, and the imposition unanimously condemned. The hon. secretary (Mr. E. Haslegrave) reported that a protest had already been se and the P.A.T.A. was asked to send a representative Leeds to explain the situation. A telegram was aft wards received stating that the surcharge will be rec sidered by the Executive of the P.A.T.A. next we Mr. J. H. Beacock held that wholesale houses have d very well all round, and if the makers of the artic do not find they pay they should put up a different s

dvance the price. Mr. J. P. Howarth suggested that ls should establish the system of mutual buying. H. Grayshon said Leeds was one of the first cities in country to start a Buying Association, but the thing so big that, like the frog, it burst itself. The draw- k to such a scheme for a big city is the size of the e, the scheme costing more than it is worth in distri- ng between wide-spreading suburbs. The system, ever, he believed, is still worked on a smaller scale ocalities, and there is no doubt that the practice will ad if the wholesalers start this sort of imposition. H. Gilleghan said nine-tenths of the orders are ed orders of drugs, sundries, and proprietaries, and he supposed, the charge is to be imposed on the whole cel. Personally, he believed the P.A.T.A. have made actical error in leaving the wholesalers a loophole to at the retailer. It was time the chemists stood firm that the retail section of the P.A.T.A. was taught to swallow things so easily. He believed the P.A.T.A. afraid of the wholesalers and the manufacturers. Mr. Hayes said it was very unfortunate that a repre- tative of the P.A.T.A. had not attended the meeting. e chemists must stand by the P.A.T.A., but they should a definite ruling that this surcharge will not apply to cels on which there is no carriage to be paid by the olesaler. The whole thing is a rank mistake, and he ed the Executive of the P.A.T.A. will quickly rectify If the wholesalers cannot make the thing pay on sent lines they should reorganise their costing depart- nts and increase the carriage-paid parcel to a size value ich will cover the increased railway rates. The weak t in the position of the P.A.T.A. was in their agreement manufacturers publishing new prices, under exceptional cumstances, before they have been approved by the uncil. If the manufacturers can break a rule at their n discretion anybody else ought to have equal right to so, and the rule becomes useless. Mr. F. C. Long ught it was futile to discuss the matter beyond regis- ing a very emphatic protest. If this thing goes with- protest it will certainly mean further imposition later. . A. Riley said the chemist might recoup himself to certain extent by getting full face-value on all pro- ietary articles, including those outside the P.A.T.A. list. ere was one article, he noticed, priced in the Associa- n's price-list at 3*d.* below face-value. If this added pense is to go on, he took it chemists will be quite at erty to put it down as an expense; it would be a stake to debit themselves with the 1½ per cent. on the st of stock. Mr. W. Johnson agreed with Mr. Hayes, d queried whether the retail representatives on the A.T.A. Council had been lacking in watchfulness or had en outvoted by a combination of the manufacturers and olesalers. Mr. J. R. Kirk thought the Association at e moment could do nothing more than endorse the action the Council and act as suggested by Mr. Hayes. It as then decided to send a protest to the P.A.T.A., pecially as members of the P.A.T.A. have been given facts as to the unfair division of the advanced carriage te between wholesalers and retailers. Mr. Hayes then oved that the P.A.T.A. be asked to deal urgently with e suggestion that the surcharge should not apply to ods carried away by the chemist or his representative, to orders on which there is no railway carriage. The otion was carried unanimously. Mr. Hayes then moved protest against the P.A.T.A. giving manufacturers the ght to break a rule, even in exceptional circumstances, the publication of new prices before approval by the ouncil. This proposition was also carried unanimously. Mr. Riley proposed that the Leeds Association shall use s best endeavours to get face-value for all proprietaries utside the P.A.T.A. list. Mr. Lancaster, seconding, aid Leeds should give a lead to other towns which are ounger in association work. In this connection, he sug- ested that the local minimum retail price-list should be xtended and should be strictly adhered to. Mr. Gray- hon disagreed on the subject of face-value. If the stores ould accept face-value the position would be different. Mr. Gilleghan thought a deputation should be sent to the hairman of a well-known local drug company to see if hey might come to terms. Whenever the companies are pproached on this matter they have the reply that the rivate chemists do not all stand by their own under- takings and that this has been proved by test purchases. The private chemists must put themselves in order, because the individual is more dangerous than the store. Mr. Grayshon suggested that the Drug Stores Association and the local Grocers' Association should also be approached at a suitable time. It was resolved to seek an interview first with the local company. Mr. Howarth reported a case of a wholesale house where retail trading is done, and was asked to furnish specific details. The Council of the Association recommended that endeavours shall be made to secure uniformity in local dispensing charges, and it was resolved that the Council shall draft a rough scheme or schemes for submission to a general meeting. The chairman remarked that any such scheme will involve the enlargement—and extra cost—of the minimum price list.

London (E.).—A meeting of the East London Chemists' Association was held on February 5 at Walker's Refreshment Rooms, Commercial Road, Stepney, the President (Mr. A. R. Keith) in the chair. There was a good attendance. Mr. Herbert Skinner (member of the Council of the Pharmaceutical Society) gave an instructive address on the new "London Retail Price List." The members afterwards agreed to adopt the list. The Insurance dispensing-terms for the year 1920 were explained in detail by Mr. John Humphrey (who was a member of the deputation to Dr. Addison, Minister of Health, on January 6); and, after a number of questions had been answered, the members decided to remain on the Panel. Mr. G. A. Tocher next dealt with the Rats and Mice (Destruction) Act, giving particulars of a formula for a barium-carbonate paste made with fat, and showing samples. Members were appointed to call on the borough authorities of Poplar and Stepney and ascertain their views on working the Act. The carriage surcharge on proprietaries raised an animated discussion, several speakers denouncing the hasty action of the wholesalers. In the end a motion was carried unanimously protesting against the 1½ per cent. surcharge (goods in London being sent out in distributors' own vans), requesting a withdrawal and credit for surcharges already made, and characterising the action of the wholesalers as too hasty and as legally untenable.

London (N.).—The monthly meeting of the North London Pharmaceutical Association was held on Tuesday, February 10, at St. Paul's Schoolroom, Holloway, Mr. C. W. Andrew in the chair. The Secretary reported on the position of the iota question and gave the suggested scheme. Disinclination to any prolongation of the hours for this work was shown, and resignations may be expected from the panel if it is put in operation injudiciously. The Rats and Mice (Destruction) Act was also discussed, as well as the imposition of the 1½ per cent. to the carriage of proprietaries in London. Mr. Skinner then read a paper on *The Relativity of Selling Prices and Dispensing Charges.* He gave an historical review of the methods from some old price-lists dating from 1876 lent him by the Editor of THE CHEMIST AND DRUGGIST, and compared them with the Scottish list of to-day. It was important to notice that there had been a persistent declination of profits ever since the 'eighties, which warranted the effort to produce a London list which might help to stem the tide of unprofitable sales. He quoted various articles where the profits varied from one-tenth to one-half of past profits, and showed that it was only the extension of the business over sidelines which enabled the chemist to sell at such cut rates. In dispensing he was able to show that the flat rate had not materially increased since 1876 in spite of the big increase of the cost of drugs, and unhesitatingly condemned such a method of dispensing medicines. He admitted that the flat rate showed up very favourably for the chemist where the costs were almost negligible, but it scarcely applied to present-day prices. Thus the Glasgow list of 1886 specified that tinctures should be charged at twopence over the list price which was in contradiction of the present time. Coming to a costing system, he strongly advocated it for sales where the rate of profit was established on actuarial basis. He pointed out that an *ad hoc* costing system for dispensing was fallacious, and though it provided a very sound basis where

the medicaments were low in value, it failed when the ingredients were costly. He instanced several cases where the final profit was reduced to less than the total for the sales of the articles without compounding. He did not mean to say that the costing basis was wrong, but that an *ad hoc* system differing from the usual plan for the sales was wrong. He showed that if we accepted the dictum that dispensing was a sale *plus* the compounding fee, then it would be justifiable to charge according to the list *plus* the agreed dispensing fee, as in the case of whole drugs, and commended that system to the meeting. An interesting discussion followed, in which Messrs. Hearle, Jenkin, Grassick, Todd, Rawlins, and Francis took part. A vote of thanks was accorded to Mr. Skinner for his interesting paper.

London (W.).—A meeting of the Fulham and Hammersmith Districts of the Western Pharmacists' Association was held on February 10, the President of the Association (Mr. H. S. Watson) in the chair. It was reported that arrangements for a rota for Insurance dispensing in the area were practically complete. After an interesting discussion it was decided to adopt face values for Beecham's Pills.

Merthyr Tydfil.—The annual meeting of the Merthyr Tydfil Chemists' Association was held recently, Mr. H. M. Lloyd (Vice-President) presiding. Mr. J. Roberts (treasurer) presented a satisfactory balance sheet, and Mr. Ivor Owen (secretary) submitted the annual report, which was accepted. The following officers were elected: Mr. John Francis, *President*; Mr. J. Roberts, *Vice-President*; Mr. D. W. Evans (Dowlais), *Treasurer*; and Mr. Ivor Owen was re-elected *Secretary*. A vote of thanks was passed to Alderman Rees for his services, and his recent illness was alluded to with sympathy. It was decided to concur with the South Wales Federation in demanding a greater margin of profits on proprietaries. The sum of 1*l*. was collected towards the Benevolent Fund, and a vote of thanks was accorded to Mr. and Mrs. Francis for their hospitality to the Association during the year.

Newport (Mon.).—The Newport (Mon.) Chemists' Association held the annual general meeting at the Shaftesbury Hotel on January 29, Mr. T. J. Badgett (President) in the chair. The secretary (Mr. Menhinick) presented a satisfactory balance-sheet. On retiring from the chair, Mr. Badgett was accorded a vote of thanks, and the secretary was voted an honorarium for his valuable services. The following officers were chosen for the ensuing year: *President*, Mr. J. Menhinick; *Vice-President*, Mr. A. O. Findlay; *Hon. Secretary and Treasurer*, Mr. George Shelley; *Executive Committee*, the Pharmaceutical Committee.

Plymouth.—A meeting of the junior section of the Plymouth Association of Pharmacists was held on February 4, at which the following officers were elected: *Chairman*, Mr. Searle; *Secretary*, Miss Ball; *Librarian*, Miss Martin. The social committee reported a balance in hand of nearly 5*l*., and it was decided to devote the money to the formation of a tennis club. It was also resolved to organise botany rambles for the summer, provided a leader could be obtained, and to arrange visits to the various industries in the town.

Southend-on-Sea.—A meeting of the Southend-on-Sea Association of Pharmacists was held on February 2, Mr. R. H. Shields in the chair. The recent surcharge on proprietary articles was discussed, and the following resolution carried unanimously:

That this Association protest strongly against the principle adopted by wholesale sundry houses—*viz.*, surcharging the value of proprietary articles 1½ per cent. in order to cover increased costs of carriage caused by new railway rates, and advocate the formation of local wholesale organisations if necessary to enable members to obtain the principal proprietary articles direct from manufacturers, unless a fair modification of terms is shortly effected.

It was further resolved that members be advised to deduct the surcharge from their monthly accounts and to express their willingness to pay a proportion of the increased costs of carriage arising out of the new railway rates. The secretary reported on the preparations for the chemists' dinner. He also drew attention to correspo ence between himself and the Medical Officer of He on the Rats and Mice Destruction Act, and mentioned t "Rat-Quit" had been approved for use by the l authorities. It was recommended that members st this article. Mr. Body was thanked for offering to act agent on behalf of the members of the Association Lawson & Co.'s preparation in order to secure best te should an appreciable demand arise. The secretary dr attention to a proposal from the Wm. Browning C Ltd., suggesting the arrangement of a lantern lecture d ing the winter session, on paraffins, which would given if desired by Mr. Sydney Jamieson, a member the company. It was felt desirable that a joint meet of the Association should be arranged with that of local British Medical Association branch, and the mat was left in the hands of the secretary. The secret was again appointed as delegate from the Association attend a meeting of professional and trade associati representatives to be held on February 22.

Swansea.—At a meeting of the Swansea and W Glamorgan Chemists' Association recently, Mr. R. Lewis (Aberavon) in the chair, it was decided to reco mend acceptance as a temporary measure of the Insura terms for 1920. Mr. W. T. Silvertsen, secretary of t South Wales Federation, summarised the last Federati meeting. Members expressed their satisfaction with t action taken respecting the charges made by Burroug Wellcome & Co. for packing-cases. Mr. T. Rees, lectur in Pharmaceutics at the Swansea Technical College, w was admitted to membership, gave an account of t difficulties encountered in starting those classes, most which have now been overcome. The design for the priz medals which the association proposes to submit for co petition among students was deferred. The sum of 1*l*. 1 was voted to the Harrison Memorial Fund. A suggestic that meetings should be held at intervals in Neath an Aberavon was reserved for consideration at the annu meeting at the Hôtel Cameron on March 8.

Women Pharmacists.—The National Association o Women Pharmacists (London Group) held a meeting o February 5 at the Mortimer Hall, Mortimer Street London, W. A new list of rules, after slight altera tions, was passed, and Miss Pike and Miss Tufnell wer elected auditors for the group. Miss C. A. Andrews the gave an interesting and instructive account of her holida in Canada, and the audience thoroughly appreciated th lantern views.

Worcester.—The Worcester City and County Phar macists' Association held the annual general meeting o January 29, Mr. A. E. Coverdale presiding. The hon secretary and treasurer (Mr. D. G. Pout) submitted th annual statement of accounts, showing a balance o 14*l*. 6*s*. 10½*d*., which, with the balance from 1918 an the War Loan and War Savings Certificates held by th Association and valued at purchase price, gave the tota assets of 56*l*. 14*s*. 9*d*. The financial report was unani mously adopted. The following officers were then elected: *President*, Mr. W. Corbett; *Vice-Presidents*, Messrs. J. Need, W. Selleck, S. Harris, A. S. Price, A. E. Coverdale, J. J. Meakins, and D. G. Pout; *Treasurer*, Mr. A. E. Baylis (Malvern); *Hon. Secretary*, Mr. T. Wilson Sudlow (Church Street, Great Malvern); *Committee*, as before. A vote of thanks was accorded to Mr. Coverdale and Mr. Pout for their several years of useful work in the Association's interests. Afterwards the report of the Local Associations Executive, the new regulations, and the result of the Conference between the Insurance Panel and Pharmaceutical Committee were discussed. Mr. A. E. Coverdale reported on the Conference, and received the thanks of the members for attending. Mr. D. G. Pout stated that he had attended the recent Conference of Association Delegates for the West Midland Area, at which it had been unanimously agreed to form a West Midland Sub-Federation. A temporary executive was appointed, and Mr. A. S. Price (a vice-president of the Association) had been elected to it. The Federation constitution and rules had been adopted, excepting a few alterations, details of which were given.

nsurance Act Dispensing.

cord of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

lton.—At a meeting of the Bolton Trades Council, recently, the delegates dealt with the hours ich medicines and prescriptions could be obtained ndays, a reply from the clerk to the local Committee ling the fact that one side of the town was compara- without facilities on that day. It was decided to representations in the matter.

istol.—At a meeting of the Insurance Committee, on February 2, Dr. Ker Lindsay, referring to the ists, said there seemed to be a great deal of annoy- among panel patients because they could not get the cine on Bank Holidays and Sundays. Chemists said uld not pay to open on these days, and he suggested prescriptions should be paid for at double rates. Only riptions written on Bank Holidays or Sundays should ispensed. The chairman said if the scheme they before them was ratified by the Minister of Health would have a service on Sundays for one hour in in localities. The chemists would be grouped, and ta obtained on Sundays, Wednesday evenings, and Holidays. As to payment of double rates, that was tter for the Ministry to decide.

von.—A meeting of the Pharmaceutical Committee, March presiding, was held at Exeter recently, hich the report of the Central Checking Bureau for was approved. After Mr. March had reported on recent conference, a resolution was passed recommend- panel chemists to accept the terms offered by the ster of Health. Mr. P. F. Rowsell then explained terms.

orset.—At a meeting of the Insurance Committee on January 24, the following statistical data was n: Payment to doctors for drugs for rural patients unted to 558*l.* 12*s.* 6*d.*; to chemists, 981*l.* 14*s.* The of each prescription in Dorset was 9.06*d.*, as com- d with 8.34*d.* in the south-western district. The age total cost per insured person was 15.22*d.*, as ared with the district average of 13.63*d.* In the s for chemists are included that prescriptions marked rgent" shall be dispensed on Sundays and holidays, double dispensary fees shall be charged; ordinary nts to be supplied by the practitioner; no proprietary gs to be provided if efficient substitutes can be sup- d; no "stock" mixtures to be supplied; and the n "aqua" to be interpreted as meaning distilled er. Mr. S. E. Wilks (Portland) has joined the mists' panel in place of Mr. F. C. Simmonds, resigned.

rimsby.—The Insurance Committee at a recent eting considered the report of the sub-committee ointed to meet the Grimsby Panel and Pharmaceutical mittees with reference to the new medical benefit ulations. The suggestions made by the Commissioners the Pharmaceutical Service were adopted, subject to litions that the hours of business for chemists be from .M. to 7 P.M. daily (with liberty to close for one hour ween 12 noon and 2 P.M.), except Sundays (5 to 6 .) and Thursdays (9 A.M. to 1 P.M. and from 5 to .M.). It was further decided that the borough be ided up into divisions, and that one chemist in each ision, according to a rota, be open for dispensing scriptions each night (except Thursdays and Satur- ys) from 7 to 8 P.M. The chemist is to be paid an ditional 3*s.* for his establishment charges incurred ring the extra hour.

London.—A meeting of the Pharmaceutical Committee s held recently. Mr. A. J. Wing (Chairman) in e chair. The Pharmaceutical Committee appointed five mbers to co-operate with the Panel Committee in the eparation of a revised edition of the London Insurance harmacopœia. The report of the Central Checking Bureau showed that the error in pricing for October was 0.16 per cent. The Committee considered a report of the conference held between representatives of the Pharmaceutical and Insurance Committees on the proposed conditions of service for 1920. After some discussion on the amendment of the joint scheme under Article 9 of the new Regulations, it was agreed to adopt the report with slight modification. The secretary reported, *inter alia*:

(*a*) That 411,809 prescriptions were dispensed in October at an average cost of 7.68*d.* (*b*) Upon a complaint about the price of crêpe bandages which is having the attention of headquarters. (*c*) On the mass meeting of panel chemists held on January 1. (*d*) Upon a difficulty raised in connection with the pharmaceutical service in the East End. (*e*) On the conference of delegates held on January 6. It was agreed that a letter and report be sent to each chemist recommending acceptance of the new terms for 1920.

A meeting of the Insurance Committee was held on January 22, at which the reports of the various Sub-Committees were considered. The following has been abstracted from the agenda: The Finance Sub-Committee recommended that payments be ordered of accounts amounting to 250,296*l.* 7*s.* 3*d.* Included in these was the sum of 24,152*l.* 18*s.* 2*d.* to chemists for the medical year 1919. Dispensaries under the Sanatorium Benefit Fund absorbed the sum of 1,868*l.* 15*s.* The Sub-Committee recommended (*a*) that subject to the consent of the Ministry of Health 3,000*l.* be allowed for administrative expenses of the Panel Committee, and 2,450*l.* for the Pharmaceutical Committee, subject to the aggregate of such amount not exceeding 1*d.* in all in respect of each insured person; (*b*) that a rateable proportion of the administrative expenses of the Pharmaceutical Committee be deducted from the monthly account of persons supplying drugs and appliances, and that the proportion for 1920 be 1 per cent.; (*c*) that the action of the Finance Sub-Committee in seeking the necessary funds from the Ministry of Health for payment of advances of 750*l.* and 466*l.* to the Panel and Pharmaceutical Committees respectively on account of administrative expenses for 1920 be approved. The General Purposes Sub-Committee recommended that Insurance practitioners be forbidden to obtain from chemists at the cost of the Drug Fund drugs and appliances for surgery use. It has decided that "Glycolactophos" and the Allenbury's Foods shall not be supplied as part of medical benefit. "Virol" has also been placed in the same category, but it may be supplied to insured persons suffering from tuberculosis and who have been granted sanatorium benefit by the Committee. The Medical Benefit Sub-Committee has approved the issue of a revised edition of the London Insurance Pharmacopœia. Pritchard & Constance, Ltd., who had dispensed prescriptions for insured persons value 6*l.* 10*s.* 2*d.*, and who desired no payment for their work (*C. & D.*, vol. xci., 1919, p. 1255), have intimated their intention of handing the amount over to Charing Cross Hospital as a donation. A rota of twelve chemists has been formed in the New Cross area for the dispensing of urgent prescriptions between the hours of 8 P.M. and 9 P.M., except on Sundays. Difficulties in obtaining drugs and appliances in the Millwall area have been reported, and steps are being taken to provide the necessary facilities. The Medical Service Sub-Committee reported the case of a doctor who was found to have committed a breach of his agreement by accepting fees for medicine supplied to an insured patient. He was ordered to refund the sum charged (1*s.* 6*d.*), and was censured. The Committee reported that the number of persons on the list of those supplying drugs and appliances on December 31 was as follows: Chemists, in general business, 678; in institutions, thirty-seven; other persons, twenty-four. Fourteen names have been added to the list, and thirty removed.—Mr. J. Skinner occupied the chair, and all of the recommendations were agreed to.

Newport (Mon.).—A meeting of the Pharmaceutical Committee was held recently to discuss the rota system and the new Medical Benefit regulations. The chairman (Mr. Menhinick) stated that he had elicited the fact that the pharmaceutical service in Newport had been satis-

factory from its inception. It was arranged that Messrs. J. Menhinick, George Shelley, and Benson Harries should attend a meeting of the Insurance Committee and Panel Committee.—The chairman, in introducing the deputation, emphasised the desire of chemists for earlier closing, and hoped the doctors would make it possible by adopting earlier surgery hours. The chairman of the Panel Committee (Dr. Hamilton) promised to use his influence with his fellow-practitioners to that end. Members of the Insurance Committee (Mr. Gratte, chemist, President) also spoke in sympathy with the proposal.

Northumberland.—At a recent meeting of the Insurance Committee, held at Newcastle-on-Tyne, the Medical Benefit Sub-Committee reported on the conference with the representatives of the Pharmaceutical Committee, showing that the chemists desired to be paid an extra fee for medicines dispensed after business hours. The Committee resolved to draw the attention of the Ministry of Health to this request.

Nottingham.—It was reported at the recent meeting of the Insurance Committee that the number of chemists on the new panel is fifty-one, representing seventy shops, an increase of one over 1919. There are also five firms who undertake the supply of drugs (other than scheduled poisons and medicines requiring to be dispensed) and appliances.

Portsmouth.—Chemists have been informed that the total sum allowed to them for 1919 is 4,354*l.* 12*s.* 10*d.* Administrative expenses of the Pharmaceutical Committee amounted to 43*l.* 9*s.* 6*d.*, and the total number of scripts for 1919 was 121,415.

Pricing Bureau (N.E. Midland).—A meeting of the Joint Committee of the North-East Midland Pricing Bureau was held at the Town Hall, Sheffield, recently, and was attended by representatives of each of the constituent Insurance Committees of the group, which comprises the following administrative areas; Barnsley, Derby, Derbyshire, Grimsby, Halifax, Huddersfield, Lincoln, Lincolnshire (Lindsey), Nottingham (town and county), Rotherham, and Sheffield. Mr. F. W. Dennis, Ph.C. (Lincolnshire), was elected chairman for the ensuing year, and Mr. A. J. Cash (Derbyshire), deputy-chairman. The report of the Executive Sub-Committee on the work of the Bureau for 1919, which was considered and approved, showed that the number of prescriptions received for pricing was 1,867,878, of a total value of 59,047*l.* 17*s.* 4*d.* Satisfactory results also were shown by the returns as to the continuous scrutiny conducted by the Pharmaceutical Society of Great Britain acting on behalf of the panel chemists, and also by the report of the Government auditor. The administration accounts for the year show a net expenditure of 2,299*l.* 9*s.*, which, on the total number of prescriptions dealt with, is equivalent to a cost per thousand of 1*l.* 4*s.* 7½*d.* At the close of the meeting the members were entertained to tea by the Lord Mayor (Councillor Samuel Roberts, J.P.).

Rotherham.—At a meeting of the Insurance Committee held on February 4, the following statistics were given: Prescriptions for the quarter ended September 1919 cost 446*l.* 6*s.* 2*d.*; number of prescriptions, 14,972; number of persons on panel, 21,808; average cost per prescription, 7.09*d.*; average cost per insured person, 4.87*d.*

Shropshire—The Pharmaceutical Committee met at Shrewsbury on February 5, Mr. W. Gowen Cross presiding, and decided on a scheme providing facilities for dispensing up to 7.30 P.M. The secretary presented his report and balance sheet for 1919, which was adopted. Messrs. Cross, Goulbourn, and Williams were appointed as an emergency committee.

Smethwick.—At a meeting of the Insurance Committee held on February 3, the Medical Benefit Sub-Committee reported on a scheme of proposed hours for chemists under Article 9 of the New Regulations, which was approved by the Pharmaceutical Committee. On Sundays and Bank Holidays urgent prescriptions will be dispensed by doctors. In the statement of accounts, payments to chemists amounted to (October balances and November advances) 194*l.* 14*s.* 10*d.* and (November balances and December advances) 200*l.* 4*s.* 7*d.*

Festivities.

London College of Pharmacy Social.

The London College of Pharmacy held a social eve in the Clapham Hall on February 9, at which about students were present. A concert, organised by Dowsett, was greatly enjoyed. Supper was then ser and dancing constituted the third section of a succe evening. Further social evenings are being arrange the College.

Coventry Pharmacists' Whist-drive.

A successful whist-drive and dance was held by Coventry Association of Pharmacists at the Corn change on February 5. About 120 ladies and gentle were present. The prizes, given by members of the A ciation, were presented by Mrs. C. H. Welton. Dan was indulged in until about 1 A.M. The pharma responsible for the arrangements were Messrs. William Wetton, Bird, and Welton.

Maw's Reunion.

The employés of S. Maw, Son & Sons, Ltd., 7 12 Aldersgate Street, London, E.C., who served t country during the war celebrated their reunion at Woolpack, Moorfields, London, on February 11. The gramme gave the names of sixty-six "Contemptibles," whom Mr. Stanley Hague was the chairman. After posing of a capital meal, the company adjourned to London Hippodrome.

Thompson & Capper's Dance.

On February 5, the annual staff dance of Thomp & Capper, Ltd., Manesty Buildings, Liverpool, was h at the Carlton Hall. The attendance numbered ab 150, and included Mr. Edwin Thompson (govern director of the company), Mr. Arnold Collinson (direct Mr. Robert Garner (general manager), and Mrs. Gar A handsome bouquet was presented to Mrs. Thomp on behalf of the staff. The dance proved most success

Dorset Pharmacists' Dinner.

The Dorset County Pharmacists' Association held successful dinner on February 4 at the London Ho Poole, when Mr. H. Ayres (President) presided ove gathering of forty members and friends. The guest the evening was Mr. J. W. Cussons, who recently reti from the secretaryship of the Association on account ill-health. Among those present were Dr. A. T. Nanki (medical officer of health) and Mr. H. G. Moore (secret of the Dorset Insurance Committee). A capital musi programme added to the enjoyment of the evening.

Leeds Assistants' Whist-drive.

The Leeds branch of the National Association Chemists' Assistants held their second whist-drive a musical evening on February 4 at Wray's Café. T prizes were afterwards distributed to the successful co petitors by Mrs. Hollingworth. *Ladies'*: 1st, M Cundall; 2nd, Mrs. F. W. Hollingworth; sealed, M Lawton. *Gentlemen's*: 1st, Mr. Keen; 2nd, Mr. Chil sealed, Mr. Watkinson. An enjoyable programme music was supplied by Misses Brownbill, Walker, a Shepherd, and Mr. Nunns. Mr. Brownbill was the don of several prizes in the whist competition.

Walthamstow Chemists' First Social.

The Walthamstow Pharmaceutical Association held successful social evening on February 5, the compa numbering over fifty. The early part of the evening w given over to progressive whist, and, during the interv Mrs. A. M. Brown presented the prizes to the followi successful players: Misses H. M. Rowe, M. H. Rov Stanley, and Mrs. Hund; Messrs. Hardwick, Ch nock, and Gaze. After refreshments, a capital musi programme was provided by Misses Brown, H. M. a M. H. Rowe, Mrs. Sawdon, Mrs. Swanston, and Mr. Brown. The President (Mr. A. M. Brown) proposed vote of thanks to the ladies (Mesdames Deeth, Grey, a Swanston) for catering so well, and also to the artists.

Trade Report.

42 Cannon Street E.C. 4 Feb. 12.

QUIETER feeling is evident in business this week, but undertone in most products is firm, and the rising ency in values is still prominent. The slight im- ement in the American exchange ($3.38) on Wednes- is not sufficient to remove the feeling of hesitancy or rage operations for forward delivery on an important . As a fact, the shortage of stocks of certain icals appears to be growing in the United States, this ying to hexamine, acetanilide, phenazone, phenacetin, aldehyde, and thymol. Among the alterations in London market is an advance in mercury, but the ng is unsettled. Mercurials are unchanged at the penny reduction of last week. British refined salt- e and oxalic acid are again higher. Citric and aric acids are nominal in view of the inadequate plies; cream of tartar remains very firm. Hydro- one and benzaldehyde are cheaper. Among drugs, f interest has centred in the auctions to-day. Ipe- anha is scarce and dearer, likewise grey Jamaica aparilla and Russian cantharides; nux vomica is er. Among essential oils, lemon is easier and erican peppermint oil is lower. Citronella, cassia, and amon have a rising tendency; caraway is weak.

Higher	Firmer	Easier	Lower
ic acid	Cassia oil	Benzonaphthol	Areca
men	Cinnamon-leaf	Cod liver oil	Benzaldehyde
s (Cape)	oil	Damiana-leaves	Canary-seed
am Canada	Citronella oil	Farina (Jp.)	Cuttlefish-bone
tharides	Nux vomica	Lemon oil	Hen-yolk
(Russ.)	Phenazone		Hydroquinone
sicums	Terpineol		Peppermint oil (Amer.)
lies	Wax veget. (Jp.)		
e oil			
es (Zan.)			
a-butter			
nut-oil			
ander-seed			
maldehyde			
cose			
jun oil			
cuanha			
d compounds			
e-juice			
seed oil			
lic acid			
cksilver			
tpetre			
saparilla (grey Jam.)			
milion			
od oil (Ch.)			

Cablegram.

NEW YORK, February 11.—Business is fair. Antipyrin henazone) has advanced a further 25c. to $7.25. Quick- ver is lower at $80.00, and mercurials follow the reduc- n. Calomel is now $1.50. Hexamine is 5c. higher at .85. Curaçao aloes is also dearer at 9¾c. per lb.

ACETANILIDE is firm, with a rising tendency, at from . 3*d*. to 4*s*. 6*d*. per lb. on the spot. The U.S. market very strong.

AGAR-AGAR is steady, No. 1 Kobe strip offering at 3*s*. 3*d*. r lb., and No. 2 Yokohama at 3*s*. 1*d*.

ALBUMEN has further advanced, with spot sales of prime hinese hen at from 6*s*. 4*d*. to 6*s*. 6*d*. per lb., and to arrive om 6*s*. 4*d*. to 6*s*. 8*d*. c.i.f. has been paid.

AMIDOPYRIN is firm and scarce on the spot at 65*s*. er lb.

ANISE is quoted 88*s*. per cwt. for Russian, and 95*s*. or rather dusty Spanish.

ANTIMONY.—The inquiry for crude continues, but there practically nothing offering, and the market is nominal about 55*l*. per ton. China is apparently not offering few parcels might perhaps be secured from France on rm offers. Regulus is firm, and American reports talk higher prices in the near future.

ARSENIC.—There is not much offering, and the market les firm for white Cornish powder for which leading agents have been asking 70*l*. per ton delivered London. Very little foreign is coming along at present. The home production, according to recent official returns for 1918, amounted to 2,349 tons valued at 210,101*l*., compared with 2,626 tons and 146,031*l*. respectively for the previous year The American production for 1919 was officially returned at 5,900 short tons, while the United States imports totalled 1,550 short tons. These output returns are less than had been expected, which is attributed to two important producers who were compelled to suspend operations owing to the severe fall in price in the course of last year.

ASPIRIN remains firm at from 5*s*. 6*d*. to 5*s*. 9*d*. per lb. as to quantity.

BALSAMS.—*Canada* is dearer, with spot offering at about 10*s*. per lb. *Copaiba* is steady at 4*s*. 6*d*. per lb. for filtered (B.P.) Central American in cases. Para is 3*s*. 3*d*., unfiltered Maranham in casks 4*s*. 6*d*., and filtered in cases 4*s*. 9*d*. *Oregon* is 3*s*., *Peru* (B.P.) is 27*s*. 6*d*., and *Tolu* 9*s*. per lb.

BENZALDEHYDE is cheaper at from 5*s*. to 5*s*. 3*d*. per lb. on the spot for f.f.c.

BENZOATES are easier, with some cutting from Continental sources. Benzoic acid can be had at 4*s*. 11*d*., and benzoate of soda at 4*s*. 8*d*.

BENZONAPHTHOL has an easier tendency at from 20*s*. to 21*s*. per lb.

BISMUTH is in steady demand, and the market for metal is very firm at 12*s*. 6*d*. per lb. Fair supplies are coming forward from Bolivia, and the position is apparently entirely under the control of the prominent mining company which handles resources in that quarter. There is a regular, well-sustained outlet chiefly for medicinal purposes.

BROMIDES.—The information given in our last report substantially holds good this week.

BUCHU.—The exports from the Union of South Africa during October 1919 amounted to 17,317 lb. (5,631*l*.), against *nil* in October 1918. During the ten months ended October 31, 1919, the exports were 142,357 lb. (34,958*l*.), against 89,675 lb. (16,948*l*.) for the corresponding period of 1918.

CAMPHOR (REFINED).—Japanese is quiet, with sellers of 2½-lb. slabs at 20*s*. and afloat at 19*s*. c.i.f. Japanese tablets (1 oz., ½ oz., ⅓ oz.) are quoted at 19*s*. 9*d*.

The amount of camphor allotted to the United States by the Camphor Monopoly for the first three months of 1920 is 379,635 lb., at a cost of 557*s*. per cwt.

CANARY-SEED.—There is rather more doing, but at lower prices, good Morocco at 212*s*. 6*d*. to 217*s*. 6*d*., and ordinary at 205*s*. to 210*s*. per quarter.

CANNABIS INDICA.—Genuine Bombay tops are still off the market. East African offer at from 2*s*. 3*d*. to 2*s*. 9*d*. per lb. In the drug auction 10 packages American were held at 10*s*. per lb., at which price sales have been made.

CAPSICUMS, together with chillies, have sold freely of late for export to the U.S.A., and prices are dearer. Mixed stalky Bombay capsicums are quoted at from 60*s*. to 65*s*. per cwt.

CARAWAY-SEED is unchanged at 50*s*. per cwt. for good Dutch, on the spot.

CARBOLIC ACID.—Several makers are quoting 1*s*. 6*d*. per lb. for 39° to 40° C. in crystals in large bulk packing as they are fully sold, but those who are not in that position could probably sell at slightly less.

CASCARA SAGRADA.—Over 2,000 packages have arrived from Portland to London this week. Arrivals in London in January were 12 tons and the deliveries 15 tons, leaving a stock of 85 tons, against 47 tons in February 1918. Spot market is quiet at about 107*s*. 6*d*. for old crop, and slightly less for one year old. In the drug auction 260 bags fair were held at 107*s*. 6*d*. per cwt.

CHAULMOOGRA OIL is in fair demand, and for a parcel about landing 5*s*. per lb. is asked.

CINCHONA.—At the auction to be held at Amsterdam on February 25, 1,520 packages, weighing 82,636 kilos., will be offered.

CITRIC ACID remains quite nominal at 5*s*. per lb., the market being without supplies with the exception of retail lots in second hands, for which 4*s*. 9*d*. has been paid.

CLOVES continue to advance on further buying, from 2*s*. 6*d*. to 2*s*. 8*d*. per lb. having been paid for fair

Zanzibar on the spot, and from 2*s.* 7½*d.* to 2*s.* 8*d.* for March-May delivery.

Coca-leaves.—At the auction to be held at Amsterdam on February 25, 1,860 packages, weighing 102,381 kilos., will be offered.

Cocoa-butter is 1½*d.* per lb. higher at 2*s.* 7½*d.* ex works.

Cod-liver Oil.—Our Bergen correspondent writes on February 2 that the market is dull, and the first supplies of new season's oil are offering at reduced prices, but buyers are holding aloof. Prospects for the fishing are good. In London agents quote 400*s.* per barrel c.i.f. for finest new Norwegian, and have sold at the price.

Coriander-seed has been in good demand, and holders have raised their price to 23*s.* 6*d.* per cwt. for fair bright Morocco. In the drug auction 250 bags fair East Indian sold at 15*s.* per cwt.

Cream of Tartar remains very firm at 290*s.* to 295*s.* per cwt. for 99 to 100 per cent. powder on the spot, with sales at both prices. There is little prospect of any adequate relief, and the use of substitutes of the better grades has therefore to be relied upon by confectioners. Spain and Italy are again sending forward small supplies.

Cumin-seed continues in good demand at steady prices, good sifted Morocco at 45*s.*, fair 42*s.* 6*d.*, and ordinary 40*s.* per cwt.

Damiana-leaves are offered at from 1*s.* 1*d.* to 1*s.* 3*d.* per lb., as to seller, being slightly easier.

Dill-seed.—In the drug-auction 115 bags sold without reserve at 14*s.* to 15*s.* per cwt.

Egg-products.—Hen yolk is lower, Chinese 2-per-cent. boric acid having been sold at 145*s.* per cwt., and for April-June shipment 130*s.* c.i.f. is quoted. Dried yolk on the spot is easier at 1*s.* 8*d.* per lb. Spray whole egg is 3*s.*, and dried native whole 2*s.* 2*d.* per lb. on the spot.

Farina is easier, with sales of No. 1 Japanese at 38*s.* to 38*s.* 6*d.* and February-March shipment at 37*s.* 6*d.* c.i.f. Sweet-potato flour has been sold at 32*s.* 6*d.* on the spot.

Fennel-seed.—In the drug-auction 100 bags sold without reserve at 34*s.* per cwt.

Fenugreek-seed is quiet and unchanged at 16*s.* per cwt. for fair Morocco.

Formaldehyde continues very scarce, and still higher prices are being paid on the spot, sellers asking 290*s.* to 300*s.* per cwt. in casks.

Glucose.—Liquid is obtainable on the spot at 60*s.* per cwt., but for American for February-March delivery 64*s.* is quoted.

Hexamine.—Export orders in the U.S. market cannot be filled, as there is practically nothing offering; 12*s.* 6*d.* is the spot London value.

Hydroquinone is rather cheaper, offering at 11*s.* 6*d.* per lb.

Lead-compounds.—Current supplies are easily absorbed by the execution of orders mostly overdue. Another considerable advance has just been enforced, amounting to 35*s.* per ton for dry white-lead, red-lead, and litharge, and 45*s.* for ground white-lead in oil. The latter costs comparatively more to produce, due to the recent further spurt in the price of linseed oil. Current revised prices are thus: Dry white-lead, 70*l.* 10*s.*, and white-lead in oil, 82*l.* 5*s.* for export, f.o.b.; red-lead and litharge range from 69*l.* to 70*l.* 10*s.*, according to quantity, both for the home trade and export. There is an active demand more especially for white-lead, in spite of the inflated prices. The ceaseless rise in pig-lead and dearer labour and the prevailing shortage have been the chief factors in the rise in compounds.

Lime-juice has been in good export demand for U.S.A., and up to 3*s.* 3*d.* per gallon has been paid.

Linseed.—The terms demanded for shipment from the River Plate have experienced a further considerable advance. Demand from America and the Continent being still rather pressing and freight rates stiffer than ever, the tendency is still upward and the supplies reaching home ports are steadily absorbed.

Menthol is steadier, spot business was done in Kobayashi Suzuki towards the close of last week at 70*s.*, this week 71*s.* has been paid, and buyers.

Mercurials.—Although mercury is higher, the re tion of 2*d.* per lb. in the salts last week still holds

Methyl Salicylate is firm at from 5*s.* 3*d.* to 5*s.* on the spot, forward offering at 4*s.* 9*d.* c.i.f. Gen oil of wintergreen is quoted at 40*s.* per lb.

Nux Vomica shows a rising tendency in view of enhanced value of the rupee. Bombay is quoted at 45*s.* to 50*s.* and Madras 40*s.* to 42*s.* 6*d.* on the spot.

Oils (Fixed).—*Linseed* is dearer, with sales u 114*s.* 6*d.* on the spot and at 110*s.* naked in Hull. C *Rape* is dearer at 125*s.* and deodorised 135*s.* on the *Cottonseed* is also dearer at 118*s.* for Egyptian crud London and edible 130*s.* to 135*s.* net, naked, ex Ceylon *Coconut* is 120*s.* afloat and 124*s.* for shipm Cochin afloat is 121*s.* and for shipment 130*s.* per *Wood* oil has been sold up to 146*s.* per cwt. on the and Lagos *Palm* has been sold up to 99*s.* and afloat at in Liverpool.

Opium is dearer in primary markets, over 500 having been sold for Japanese account, and further l orders are awaiting execution, which accounts for rise in price. It will be interesting to note if any vision is to be made in the Turkish Peace Treaty regulating the opium traffic similar to that which app in the German Treaty. The spot (London) price is to 21*s.* per lb. for good druggists'. Persian is nom at from 45*s.* to 50*s.*

A Smyrna advice, dated January 3, states that the ma was quiet that week, with sales amounting to only cases best quality Karahissar at 18*s.* per lb. c.i.f., and rich soft of high text at 21*s.* The exchange for cheque London advanced to piastres 378 per pound sterling, $1.01 for one Turkish paper pound. The arrivals in Smy are 1,300 cases, against 110 at same date last year.

A Smyrna report, dated January 17, states that "have had a very active week, with sales amounting 60 cases of manufacturing qualities at piastres 838 to which is equal to 17*s.* 6*d.* to 21*s.* per lb. c.i.f. The arri are 1,398 cases, against 195 at same date last year.

A Smyrna report for the week ended January 23 sta that "We have had a quiet market, with sales amount to only six cases current qualities as piastres 920 per o equivalent to about 17*s.* per lb. c.i.f., and two cases ex selected Karahissar at piastres 950—18*s.* 6*d.* per lb. T exchange for cheque on London is now about piastres per pound sterling, and $0.90 per one Turkish paper pou Although the market is firmly maintained, we consi some needy sellers may make a slight concession should large buyer come forward. The arrivals in Smyrna date are 1,405 cases, against 165 at same date last year."

Oxalic Acid.—Dutch makers have advanced their pric by 2*d.* per lb. for February shipment, quoting 2*s.* 2*d.*

Pepper is dull of sale, with little export inquiry. T price of fair black Singapore is 11*d.* per lb. on sp and January-March shipment 11*d.* c.i.f. Lampong 10½*d.*, Tellicherry 1*s.* 1*d.*, and Aleppy 11*d.*, all sp The London stock of *black* pepper is heavy at 6,066 to against 2,320 tons in 1919; at the same time, prices the East are much above the spot parity. *White* steady, the spot value of fair Singapore being 1*s.* 4¾ and Muntok 1*s.* 5½*d.* Stocks of white are normal 1,627 tons, against 1,184 tons in 1919.

Phenacetin is slow of sale, and prices are being c in several quarters, fair current spot value is 15*s.* per lb.

Phenazone.—Several American inquiries and a furth advance in that country (see cable) have served to stiffe this market, holders quoting 26*s.* to 27*s.* per lb.

Quicksilver.—The market took a sharp turn towar the close of last week, when a better demand sprang u and the leading importers then raised their terms 22*l.* 10*s.* per bottle. Open market rates were subsequentl called 22*l.* 10*s.* to 22*l.* 15*s.*, and the tone is reported quit firm. A fair number of parcels is being exported, thi chiefly representing limited quantities; but India is no again inquiring. Fresh imports are rather hindered b freight scarcity. We understand that a parcel was re cently obtained on comparatively cheap terms from Ital for shipment to France. The fluctuation in the exchang has probably something to do with the disparity in valu

regard to such transaction. The imports into the ited Kingdom during January 1920 were 64,858 lb. 162*l.*), against *nil* in January 1919. The re-exports in uary 1920 were 181,875 lb., against 134,702 lb. in uary 1919.

QUININE.—In the second-hand market there are buyers export at 5*s.* per oz., with sellers quoting 5*s.* 3*d.* e Board of Trade Returns figures for January are as ow :

	1913	1919	1920
	oz.	oz.	oz.
Imports	291,285	195,296	1,165,749
British exports ...	100,725	87,814	329,929
Re-exports ...	25,689	298,364	38,730

ere has been an increasing demand for export, and 3*d.* has been paid for sulphate in second-hands.

SACCHARIN.—Mail advices from New York, dated nuary 15, announce a reduction in the American price $3.00 to $3.10.

SALICYLATES are unaltered and, as mentioned last week, icylic-acid powder (B.P.) for prompt delivery is scarce from 3*s.* 6*d.* to 3*s.* 9*d.* Soda salicylate powder is 4*s.* 4*s.* 3*d.*, and crystals 4*s.* 3*d.* to 4*s.* 6*d.*

SALOL is steady, and offering at 6*s.* 9*d.* per lb. on the ot.

SALTPETRE.—Owing to the continued advance in rough ngal saltpetre, the prices of best London refined ngal are as follows : For quantities of 5 cwt. and wards, crystals or granulated, in 1-cwt. bags, 73*s.* 6*d.* r cwt.; 2-cwt. bags, 72*s.* 6*d.*; powdered, in 1-cwt. bags, s. 6*d.* per cwt.; 2½-cwt. casks, 74*s.* 6*d.* For quantities less than 5 cwt. 6*d.* per cwt. extra will be charged. scount 10 per cent. Delivery free to rails or buyer's rehouse in London only. If packed in casks, 1*l.* per n extra is charged, and if in barrels 3*l.* per ton extra. view of the uncertainty of the market for raw material, akers are compelled to refrain from booking contracts rward at fixed prices, and only accept orders for normal quirements. If, however, a contract is required, it can ly be entered on the condition that the price charged r each delivery against such contract is that ruling on e date of despatch. The minimum resale prices, subct to the usual resale allowances, are : Crystals, 1-cwt. gs, 73*s.*; 2-cwt. bags, 72*s.*; granulated, 1-cwt. bags, s.; 2-cwt. bags, 72*s.*; powdered, 1-cwt. bags, 75*s.* per vt.; 2¼-cwt. casks, 74*s.*; 6*d.* per cwt. for 5 cwt. and wards; 6*d.* per cwt. for net cash in seven days, delvered f.o.r. or wharf in London.

SHELLAC.—The spot market has been steady, but quiet, the basis of 86*0s.* per cwt. for usual standard TN range quality; AC cakey and GAL are 20*s.* per cwt. gher at 620*s.* and 600*s.* respectively. Futures have ctuated considerably daily since our last report, but balance there is little change, the sales including May elivery at from 795*s.* to 850*s.* to 800*s.* to 725*s.* to 780*s.*

SOY.—Chinese is in steady demand at about 5*s.* 9*d.* er gallon in casks, duty paid.

STORAX.—Importations valued at 2,500*l.* have been reeived from Asiatic Turkey.

TANNIC ACID.—*Leviss* is quoted at 11*s.* 6d. per lb. on he spot.

TAMARINDS.—West Indian are in fair supply on the pot, good syrupy Antiguas offering at 47*s.* 6*d.* per cwt. n bond.

TARTARIC ACID.—With the English makers fully sold or this year, it looks as if a further advance must follow vith the principal consuming season near at hand. Foreign makers appear to have nothing to offer earlier han August-October delivery at 3*s.* 3*d.* to 3*s.* 4*d.* c.i.f. Spot market is very firm at 3*s.* 8*d.*, with crystals unobtainable.

TURPENTINE.—Prices have fluctuated moderately from the highest touched lately, but the outlook is considered strong. A state of scarcity is said to exist in the U.S.A., and on the low exchange and dearer freights cost of import is, of course, very high. It is not surprising that some spirit is being attracted from Scandinavia owing to the phenomenally high prices obtainable. The spot price of American closed on Wednesday at 201*s.* per cwt.

TERPINEOL is firmer at 7*s.* 6*d.* per lb. on the spot.

VANILLIN.—Although cloves are dearer and the price of vanillin in America much above the London parity, there are still sellers at from 78*s.* to 79*s.* per lb., from which quotations range up to 82*s.* 6*d.*

VERMILION.—Makers have advanced their prices to 6*s.* 6*d.* to 6*s.* 7*d.* per lb. net, according to quantity.

ZINC OXIDE.—There seems more life in this product, with more numerous merchant inquiries, and the market is firm. Cost of working is greater, and the basis on which raw material is obtainable having been raised very substantially, makers' terms are not unlikely to be advanced further in the near future. The more reputed home brands are quoted about as follow : Red seal, 70*l.*; green seal, 75*l.*; and white seal, 80*l.* per ton. All zinc products are tending upward.

London Drug-auctions.

London Commercial Sale Rooms,
Mincing Lane, E.C. 3, February 12.

A MODERATE quantity of drugs was offered by eleven brokers, but buying was by no means brisk, and the bulk passed the hammer unsold, few export orders being about. Cape aloes was difficult of sale, but higher prices were paid where business was effected; common Mocha brought high prices. Sumatra benzoin is steady, but quiet, the bulk of the offerings being thirds, for which there was no demand. Cardamoms were flat, but high prices were paid for fine pale, of which little offered. Cubebs brought previous firm rates for good. Calumba is still too plentiful, and neglected in auction. Damp cuttlefish-bone sold cheaply, and for fair dragon's-blood there was no demand. Elemi sold at surprisingly good prices considering the quantity recently arrived. Gamboge was not ready for auction, and partly withdrawn. Honey buyers abstained from bidding in the public sale, and much valuable time was thereby saved. Ipecacuanha is scarce and dearer, Matto Grosso advancing about 1*s.* on previous auction rates. Kola is quiet, while no good myrrh offered. Rhubarb sells at the previous high prices, but High-dried tends easier. Grey Jamaica sarsaparilla was 4*d.* to 6*d.* higher, Lima being unchanged. Tinnevelly senna was about steady. Beeswax was quite neglected. The following table shows the quantity of goods offered and sold :

	Offered	Sold
Ajowan-seed	90 ...	0
Almonds... ... (bgs.)	30 ...	0
Aloes—		
Cape ... ... (cs.)	121 ...	24
Curacao ... (cs.)	5 ...	5
Mocha ... ... (cs.)	16 ...	0
,, ... (kegs)	5 ...	0
Ammoniacum	4 ...	2
Annatto-seed	57 ...	0
Areca	129 ...	0
Argol (Cape)	21 ...	0
Arnica flowers	15 ...	0
Balsam Peru	2 ...	2
Balsam tolu	20 ...	0
Belladonna-leaves ...	23 ...	0
Benzoin—		
Palembang	57 ...	0
Siam	8 ...	0
Sumatra	277 ...	18
Cajuput oil	50 ...	0
Calamus-root	12 ...	*12
Calumba...	947 ...	0
Camphor	119 ...	0
Cannab. ind.	35 ...	0
Cantharides (Russ.), sifts ... ... (lb.)	44 ...	0
Cardamoms ...	1411 ...	54
Cascara sagrada (bgs.)	260 ...	0
Cascarilla ... (sifts)	5 ...	0
Cassia fistula	1 ...	0
Cassia oil	5 ...	0
Castor-seed	128 ...	0
Cinchona	112 ...	3
Citric acid ... (kgs.)	10 ...	0
Coca-leaves	10 ...	0
Cochineal	3 ...	0
Colocynth	17 ...	0
Condurango	50 ...	0
Copaiba...	5 ...	0
Coriander-seed... ...	250 ...	250
Croton-seed	183 ...	18
Cubebs	57 ...	15
Cuttlefish-bone ...	121 ...	64
Damiana-leaves ...	16 ...	0

	Offered	Sold
Dill seed...	258 ...	115
Dragon's-blood ...	31 ...	0
Egg, liquid ... (cks.)	25 ...	0
Elecampane-root ...	20 ...	0
Elemi ... ... (cs.)	52 ...	21
Eucalyptus oil	110 ...	0
Euonymus	20 ...	0
Euphorbia gum ...	50 ...	0
Fennel-seed	100 ...	100
Fenugreek-seed ...	25 ...	0
Galangal	21 ...	0
Galls	187 ...	*40
Gamboge	33 ...	*3
Gelseminm	22 ...	0
Ghee ... ... (cs.)	1 ...	0
Grindelia rob.	49 ...	0
Guaiacum	22 ...	3
Guarana	12 ...	0
Guinea grains	4 ...	4
Gum karaya	378 ...	0
Gurjun oil ... (drms.)	58 ...	0
Henbane (Egy.) ...	8 ...	0
Honey—		
Australian	477 ...	0
Californian	608 ...	0
Cuban...	84 ...	0
Honolulu	127 ...	0
Jamaica	645 ...	5
New Zealand ...	320 ...	*20
St. Lucia	16 ...	6
Salvador ...(drms.)	10 ...	0
San Domingo ...	252 ...	0
Horehound	23 ...	0
Ipecacuanha—		
Johore	20 ...	20
Matto Grosso ...	6 ...	6
Jalap	20 ...	0
Kola	485 ...	28
Lemongrass terpenes (dm.)	1 ...	0
Lime-juice (hhds.) ...	3 ...	0
Lime oil...	3 ...	0
Liquorice-juice... ...	33 ...	0

* Sold privately.

		Offered	Sold
Liquorice-root	(bls.)	74	0
Do.	(cwt.)	3½	2½
Lobelia herb		5	0
Marjoram		17	17
Mastich		3	0
Myrrh		112	0
Nux vomica		148	0
Olibanum		181	0
Orange-peel		44	0
Orris	(Mug.)	25	0
Pennyroyal oil	(tins)	4	0
Rhapontica-root		82	19
Rhatany		7	2
Rhubarb (Ch.)		28	9
Sarsaparilla—			
Grey Jamaica		31	22
Lima		44	13
Mexican		20	0
Native Jam.		26	0
Seedlac		33	0
Senega		10	0
Senna and pods—			
Alex.		99	6
Tinnevelly		751	197
Simaruba		10	0
Soap-nuts		100	0
Soda caustic	(cks.)	60	0
Do.	(drms.)	59	59
Strophanthus		40	0
Tamarinds—			
East Indian		84	0
Tonka-beans		22	0
Tragacanth		84	0
Turmeric		750	0
Valerian		1	0
Wax (bees')—			
Abyssinian		137	0
Benguela		10	0
East African		985	0
East Indian		34	0
Madagascar		38	0
Mombasa		10	0
Mozamb que		28	0
Portuguese		44	0
Zanzibar		190	0
Wild c herry-bark		18	0
Witch-hazel-leaves		10	1

Aloes.—Cape proved slow of sale, but dearer where business was effected; of the first lot of forty-six cases to be offered two cases drossy seconds sold at 75*s.* and two cases low drossy, part livery, at 70*s.* Fair bright firsts were held at 85*s.*, and good firsts at 87*s.* 6*d.* At the close of the auction seventy-five cases offered, and ten cases good firsts sold at 85*s.* and ten cases ordinary seconds, part mixed and coarse, went at 70*s.* to 72*s.* 6*d.* Of Curaçao five cases black capey offered and sold at from 67*s.* 6*d.* to 72*s.* 6*d.* per cwt., and for five kegs of black, part drossy Mocha, 5*l.* 10*s.* per cwt. was paid.

Ammoniacum is very scarce. Two cases of fairly clean pale almonds and blocky sold at 9*s.* per lb.

Areca.—Small to bold sound Ceylon were offered at 85*s.* per cwt., and 25 bags slightly wormy were obtainable at 65*s.*

Balsam Peru.—Two cases genuine (cinnamein content 66.1 per cent.) sold at 27*s.* per lb.

Balsam Tolu.—Fair quality was offered at 9*s.* per lb.

Belladonna-leaves.—A lot of 23 bales (.049 alkaloid) was held at 2*s.* per lb.

Benzoin.—Quiet, the bulk of the offerings consisting of thirds: twelve cases of Sumatra had been sold privately. For eight cases of good seconds, well packed, with small almonds 12*l.* was wanted, but there were no orders. Two cases of cross-cut seconds sold at from 10*l.* 10*s.* to 10*l.* 15*s.*, and streaky thirds to fourths were held at from 7*l.* 10*s.* to 6*l.* 10*s.* Palembang was offered at 7*l.* to 7*l.* 5*s.* for fair seconds; of Siam eight cases offered, and 37*l.* to 38*l.* was wanted for small to bold blocky second almonds, and small pea- and bean-size at 35*l.* 10*s.*

Calumba is slow of sale, fair natural sorts being available at 60*s.*, but there were no takers.

Cardamoms proved almost unsaleable, as there was an absence of good pale qualities, and the few cases of this description offered brought a slight advance on the previous auction. Extra bold pale Ceylon-Mysore sold at 7*s.* 8*d.*, medium to bold ditto 6*s.* 6*d.*, small and medium 5*s.* 1*d.*, fine pale splits 7*s.* 6*d.*, bold and medium splits 5*s.* 10*d.* to 5*s.* 11*d.*, brown split and pickings 2*s.* 2*d.* *Seed*, dull to good dark brown 2*s.* 10*d.* to 3*s.*, latter for ten cases Bombay.

Cascarilla.—Five bales of fair siftings were retired at 2*s.* 6*d.* per lb.; no quill offered.

Croton-seed.—For 18 bags of slightly dark mixed Ceylon 65*s.* per cwt., subject to sellers' approval, was paid. Another lot of 99 cases fair was bought in at 85*s.*

Cubebs firm; 15 bags of good bold, slightly stalky, selling at 30*l.* per cwt.

Dragon's-blood.—Quiet. Eleven cases of fair bright seedy virgin lump were retired at 16*l.*, a bid of 15*l.* 2*s.* 6*d.* being refused, and for six cases pickings 12*l.* was wanted.

Elemi dearer. A lot of fifty-two cases offered, of which twelve cases fair white firsts sold at from 180*s.* to 181*s.* per cwt., being dearer. Fair-sized quantities have arrived of late.

Galls.—A lot of 40 bags Smyrna blues was bought in at 7*l.* 10*s.* per cwt. From another lot of 110 bags 40 bags had been sold privately, and for the remaini 30 bags of Smyrna blue 135*s.* was wanted.

Gamboge.—Three cases catalogued had been sold pr vately, and a further six cases were withdrawn; twent four cases catalogued were not ready for the sale.

Guaiacum.—Three cases of ordinary glassy block so without reserve at from 1*s.* 3*d.* to 2*s.* per lb

Guinea Grains.—Four bags of fair sold at 112*s.* 6 per cwt.

Gurjun Oil.—A lot of 58 drums fair were limit at 2*s.* 6*d.* per lb., at which one lot had been sold private

Honey.—In view of the position of sugar, operat in auction were strangely apathetic, many of those prese apparently holding a watching brief, as bids were almo absent. A little business was done after the sales between the limits and bids made in rooms, but the tot volume of sales was almost negligible. 477 cases Austr lian were taken out at 75*s.*, at which price business h been done privately. 708 cases Californian were retir at 110*s.*, limit being about 105*s.* 84 casks Cuban we taken out without mention of price, and the same appli to 127 cases Honolulu and 252 casks San Domingo. New Zealand 320 cases offered and 20 sold privately 105*s.* for white set. Six cases amber set St. Lucia realise 87*s.* Of Jamaica 645 barrels offered, but nothing so publicly, but we understand that subsequently sales we made at between 100*s.* and 110*s.* for yellowy sugary pale set.

Ipecacuanha is scarce and dearer. A new lot of twen bales East Indian sold at from 16*s.* 6*d.* to 16*s.* 7*d.* p lb. for fair native picked, part lean and greyish to slightl mouldy. Matto Grosso was about 1*s.* per lb. higher con pared with the previous auction, six bales being offere and sold at 17*s.* 9*d.* to 17*s.* 10*d.* for fair to good bright.

Kola was steady, twenty-six bags fair West Africa quarters selling at 6½*d.* per lb. and two bags good brigh West Indian went at 6*d.*

Liquorice-juice.—Eight cases 2-oz. sticks (Amare brand) were held at 400*s.* per cwt.

Liquorice-root.—A lot of 95 bags fair cut decorticat was limited at 190*s.* per cwt. For 32½ cwt. natura damaged by fruit-juice, 23*s.* per cwt. was paid witho reserve.

Lobelia.—Five bales were held at 8*s.* per lb., subje to approval of sample.

Marjoram.—A lot of 17 bales French leaves sold wit out reserve at from 67*s.* 6*d.* to 70*s.* per cwt., being chea

Myrrh.—Good Aden is still scarce, only common sort being offered, for which high prices are asked; the be lot in sale was twenty-eight bags of fair very dar blocky sorts, for which 10*l.* 10*s.* to 11*l.* was wanted.

Orange-peel.—So-called Maltese strip is fairly plenti ful, fair bright being obtainable at 1*s.* 4*d.* per lb.

Rhapontica.—A lot of eight bags round sold at 11*d.* and eleven bags flat went out at 1*s.* per lb.

Rhatany.—Two serons sound sold at 5*d.* per lb.

Rhubarb.—High-dried tended easier, eight cases medium to bold round horny, with three-quarters greyis and one-quarter dark fracture, selling at 7*s.* per lb. case of medium to bold round orange-coated Shensi, wit seven-eighths good pinky fracture, sold at 12*s.*, and tw cases medium round, with three-quarters fair pinky fra ture, were limited at 11*s.* 6*d.* Seventeen cases of mediu to bold round native High-dried, with half greyish an half dark fracture, were limited at 7*s.* 9*d.* per lb., an for small round similar fracture 7*s.* 9*d.* was also wanted.

Sarsaparilla.—Grey Jamaica sold at an advance of 4*d* to 6*d.*, seven bales being disposed of at from 3*s.* 7*d.* 3*s.* 9*d.* for fair, while for 14 bales of fine fibrous 3*s.* 11*d* to 4*s.* was paid. Of Lima-Jamaica 13 bales sold at 2*s.* 6 per lb., being unchanged. Mexican was held at 3*s.* 6*d.* and native red Jamaica at 2*s.* 10*d.*

Senega.—Ten bales of fair were held at 12*s.* 6*d.* per lb. which is the price asked privately.

Senna was in fair demand at about steady prices fo Tinnevelly. Good small to medium clean green leaf sol at 1*s.* 1*d.* to 1*s.* 2*d.*, medium to bold pale yellowish-gree 11¼*d.* to 11½*d.*, ordinary small greenish 8½*d.* to 9*d.*, inferio small to medium yellowish leaf (sound) 7*d.*, and sea damaged 6½*d.* to 6¾*d.* *Pods*, 5½*d.* Five bales darkish

andrian pods sold at 1*s.*, and one bale very broken at 7*d.*

DA CAUSTIC.—A parcel of fifty-nine drums sold with reserve for account of whom it may concern at 29*l.* lot 28*l.* 10*s.*) per ton; no bid was made for sixty offered.

NKA-BEANS.—Two casks of good, bold Angostura were ed at 8*s.* per lb.

ITCH-HAZEL-LEAVES.—Nine bales were limited at from to 9*d.* per lb., and a single bale sold without reserve .

Essential Oils Market.

th the probable exception of caraway oil (see below) upward tendency of essential oils has this week been maintained. The fluctuation of the exchange rates is onsible for "prices without engagement" in practically y quotation. Spanish oils are unlikely to become easier, ast for some time, as many peasants who formerly were onsible for the collection of rosemary and other raw rials for the distillation of oils have now found more tive and easier occupation in the cultivation of olives. , however, is an aftermath of the war, and similar con- ns are reported in other countries, for example, in rica, where, as we have already stated, the collectors of s who migrated to towns during the war to engage in itions making found better conditions in the large s, and consequently stayed there. Nearer home we n that an important company of distillers has just cou- d three five-years' contracts with growers of pepper- at Mitcham, agreeing to take the 1920 crops at 120*s.* lb. at the still, the 1921 crop at a minimum of 100*s.*, the remaining three years' crops at prices to be decided n at harvest time. To obtain adequate supplies of raw rials it is evident that both capital and labour must paid at rates which compare favourably with those inable from the cultivation of food and other produce. n regard to synthetic products, dealers are extremely y in quoting owing to the unsettled state of the market.

NISE, STAR, is easier, with sellers of "Red Ship" brand s. 6*d.* to 5*s.* 9*d.* on the spot.

RGAMOT is firm, with a decided upward tendency. The e quoted this week for forward delivery is 27*s.* per lb. A Palermo advice states that the demand is very ve, and buyers have again become very pressing.

DIS DE ROSE is scarce, and 40*s.* is quoted.

RAWAY is weak, and is obtainable from 11*s.* to 12*s.* lb. in second-hands, although the average price rules ewhat higher, probably to the prices quoted last week —14*s.*). An Amsterdam report states that the 1918 of seed (40,000 bags) which was seized by the Govern- t has been offered at monthly auctions, and will have d buyers by March. The cultivation of caraway-seed prohibited in 1918, consequently there is no 1919 crop, older crops are poor in quality. It is probable, there- , that the lowest quotations have now been reached.

SSIA OIL is firmer, with spot sales of 80 to 85 per cent. amic aldehyde at 9*s.* 4½*d.* to 9*s.* 6*d.*

NNAMON OIL.—Ceylon leaf is firmer on the spot at 11*d.* s. per oz.

TRONELLA OIL is dearer at 3*s.* 3*d.* per lb. to 3*s.* 6*d.* for lon (sales at 2*s.* 9*d.*, however, have been made this week), for Java 5*s.* 3*d.* to 5*s.* 6*d.* has been paid.

LOVE.—English distillers have raised their price to 22*s.*, second-hand can offer at from 20*s.* 6*d.* to 21*s.* 6*d.*

UCALYPTUS is steady at from 3*s.* 3*d.* to 3*s.* 6*d.* for B.P.

ENNEL.—For the *sweet* the spot price is 13*s.* 6*d.* per lb., for forward delivery 14*s.* to 14*s.* 3*d.* is quoted. *Bitter* ffering at 5*s.* per lb.

ERANIUM.—The price for Bourbon on the spot varies m 37*s.* 6*d.* to 40*s.* per lb., as to seller.

INGERGRASS.—Insoluble variety is higher at 17*s.* per lb. the spot and forward.

UNIPER-BERRY OIL for forward delivery is offered at 21*s.* 25*s.* per lb., and *Wood* at 4*s.* 9*d.* to 5*s.* per lb.

AVENDER.—For oil containing 32 to 34 per cent. of esters to 40*s.* is quoted for forward delivery c.i.f. London. For ntity slightly less would probably be accepted.

EMON.—With the decline in Italian exchange forward pment prices are easier at from 9*s.* to 9*s.* 6*d.* c.i.f., and the spot from 8*s.* 6*d.* to 9*s.* 3*d.* is quoted; demand is slow.

EMONGRASS is difficult to obtain. Spot prices are firmer from 1*s.* per oz. No forward offers appear to be avail- e.

IME.—West Indian distilled is firm at 7*s.* to 7*s.* 6*d.* per lb.

ANDARIN for forward delivery is quoted at 50*s.* per lb. f. London. Higher prices prevail on the spot, as quoted week—60*s.* to 65*s.*

INT.—Japanese dementholised (Kobayashi-Suzuki) has n sold at from 16*s.* 3*d.* to 16*s.* 6*d.*, being steady.

ORANGE.—*Sweet* (Calabrian new crop) is quoted at 30*s.* per lb. for forward delivery. *Bitter* is lower at 25*s.* For Spanish expressed 22*s.* is quoted on the spot, and for forward delivery from 24*s.* to 25*s.* A Palermo advice states: "After a week, during which the demand was entirely lacking, a few buyers have presented themselves, causing a check in the downward tendency, and as demand has been rather active again holders have succeeded in obtaining a slight reduction in comparison to the prices ruling a few days ago."

PALMAROSA is very firm, the price for forward delivery varying from 22*s.* 6*d.* to 24*s.* per lb. Spot sales have taken place this week at 22*s.* 6*d.*, and in one direction this price has been declined. (The advance may be ascribed to the increase of the rupee from 2*s.* 4*d.* to 2*s.* 9*d.*)

PATCHOULI on the spot is firm at about 80*s.* to 85*s.* per lb.

PENNYROYAL is firm at 8*s.* to 8*s.* 6*d.* per lb., and over in one direction.

PEPPERMINT OIL.—Finest American ("Wayne County") in one direction is quoted at 43*s.* 6*d.* per lb. net ex warehouse London, others quoting 47*s.* 6*d.* to 50*s.* For French oil of fair quality to come forward 34*s.* a lb. would be accepted, and probably less in quantity.

ROSEMARY.—The spot price remains about 5*s.* 4*d.* to 5*s.* 6*d.* per lb., although 6*s.* 6*d.* has been paid. For delivery in March next from 6*s.* 3*d.* to 6*s.* 6*d.* is quoted at first-hand.

SANDALWOOD.—A parcel of West Australian, just arrived, containing 70 per cent. santalol, is offered at about 30*s.* to 32*s.* 6*d.* per lb.

THYME.—The following are quoted in first-hand without engagement: *White*, 60 to 70 per cent. phenols, 13*s.* 9*d.* per lb. on the spot; 30 per cent., forward, 11*s.* 6*d.* to 12*s.*; *Red*, 30 to 35 per cent. phenols, forward, 11*s.* 6*d.* to 12*s.*; 45 per cent., forward, 14*s.* to 14*s.* 6*d.*

RUE is offered at 17*s.* per lb. for forward delivery.

SASSAFRAS.—Natural is quoted at 12*s.* per lb. on the spot.

WORMSEED.—The price is about 47*s.* 6*d.* to 50*s.* on the spot.

The following are a few quotations offering for synthetics: For AUBEPINE 42*s.* has been paid on the spot. BENZALDEHYDE, chlorine free, is difficult to obtain; 6*s.* per lb. is about the price for ordinary. CITRAL is higher in sympathy with lemongrass. DIPHENYL OXIDE is quoted at 12*s.* 6*d.* per lb. EUGENOL is 32*s.* per lb. HELIOTROPIN is scarce at 34*s.* to 37*s.* for spot. *α* and *β* IONONE, owing to the price of lemongrass and scarcity of spot stocks, is dearer at about 100*s.* per lb. The export of INDOL from Germany is prohibited, price is, therefore, firmer at 37*s.* to 40*s.* per lb. PHENYL-ACETIC ALDEHYDE is difficult to obtain on the spot, and is quoted at 110*s.* TERPINEOL is offered at 7*s.* 6*d.* on the spot, and TERPINEOL ACETATE at 17*s.* 6*d.*

American Quinine.

A group of American capitalists are erecting a quinine factory at Houston (Texas) capable, it is said, of producing 8,000 oz. of quinine daily. A company has been formed under the name of the Colombia Alkaloid Co., which will extract the alkaloid from cinchona plants in Colombia, and send the crude quinine to the new factory in Houston for further treatment.

January Overseas Trade.

The exports of British produce during January for the first time on record exceeded one hundred millions sterling, the value being 105,879,909*l.*, against 47,343,181*l.* in January of last year, an increase of 58,536,728*l.*, or more than 120 per cent., while, compared with the normal year of January 1913, the increase was 60,433,478*l.* British manufactured goods to the value of 83,086,250*l.* were exported, or 42,833,593*l.* more than in January last year, and 46,320,425*l.* more than in January 1913. In chemicals, drugs, dyes, and colours the exports were 716,962*l.* more at 3,353,667*l.*, drugs and medicines representing 387,225*l.*, which figures were 56,000*l.* less than in January 1919, but 173,323*l.* more than in January 1913.

Chinese Camphor.

The total exports of Chinese camphor from Hong-Kong amounted to only $60,087 in 1918, as compared with a value of $1,641,205 in 1917. During the first six months of 1918 the exports of camphor from Hong-Kong to the United States amounted to 181,551 Mexican dollars, of a total value exported of 289,710 Mexican dollars. It is interesting to note that British India was the first country to avail itself of this new source of camphor, and during the first three months of 1918 British India and the Straits Settlements imported nine-tenths of the total exports, and both these countries remained the principal purchasers, after the United States, during the second half of the first six months of the past year. The exporters in Hong-Kong state that there is an increasing demand for Chinese camphor, a large proportion of which is produced in the Yangtze valley.

Correspondence

Destruction of Rats.

Sir,—In your article (*C. & D.*, February 7, p. 74) you refer to the destruction of rats by means of virus, and you mention the "Book of the Rat," published by us. It is not our purpose in this letter to discuss the respective merits of virus as against other forms of rat-destruction. We merely wish to refer to your statement that "the two principal makers of virus are taking steps to make it known that they are also able to supply squill poison—a step which is a pretty clear indication of 'the way the wind is blowing.'" The inference to be drawn from this remark is that manufacturers of virus do not consider their virus equal for the purpose of destroying rats to squill poison. As proprietors of the "Liverpool" virus, we desire to dissociate ourselves entirely from this attitude. If we are asked for squill extract we shall, of course, put ourselves in a position to supply it. We do so, however, merely to meet the public demand created for this form of poison owing to its recommendation in certain directions, but we are still of the opinion that virus is the most effective and safe method for the destruction of rats. Yours truly,

For Evans Sons Lescher & Webb, Ltd.,
J. Herbert E. Evans, Director.

The Coming Council Election.

Sir,—Frank Hines, of York, comes up for re-election to the Council of the Pharmaceutical Society three months hence. Needless to say, he is not likely to receive any "official" support, having committed the unpardonable crime of thinking for himself instead of sending out his thinking, as the average man sends out his collars. Mr. Frank Hines has been trying to get things done, and only those who have worked with him, and realise his sincerity, know what an uphill job that is on the Council. I earnestly appeal to all brother pharmacists who are out for progress, especially those who are prepared to fight for what we conceive to be our rights, to earnestly support Mr. Hines, and to start right away and get sufficient backing to ensure his return to the Council. Without doubt, those short-sighted members of the craft who allowed the "unjust by-law" to be passed will do their best (or their worst) to prevent the return of a fearless fighter like Mr. Hines, but I trust that all those who have the true interests of pharmacy at heart will take care to see that Mr. Hines is returned at the top of the poll. There are several districts in the country quite unrepresented on the Council. For my part, I would welcome the coming out of a real, live progressive candidate from such a district, and I can promise him that if he runs with Mr. Hines he will have the enthusiastic backing of a large number of pharmacists who, like Mr. Hines, are out to get things done. Yours faithfully,

Hugo Wolff.

More Burdens.

Sir,—This extra 1½ per cent. put on proprietary goods by the wholesalers (who pay carriage) seemed to me a fair way to recoup a portion, at any rate, of the increased cost of carriage. The retailers must endeavour to pass on the cost to their customers, and the question is, How? I would like to have the opinion of others on the question of tacking this increase on to parcels received through the post; the postal rates are still the same, and are, in almost all cases, borne by the retailer. I have drawn my wholesalers' attention to an invoice for goods (per post) amounting to 2*l.* 7*s.* 9*d.*, which includes 1*s.* postage and 8*d.* for "charges as advised." Their reply is unsatisfactory, and amounts to telling me not to buy from wholesalers away from the source of supply, because freight is incurred in sending the goods to them, and, forsooth, I must pay a portion of this freight in addition to postage. Whose move is it now?

Yours truly,
Burdened One. (174/6.)

Sir,—Mr. Edwards's letter in the *C. & D.*, Februa 7, p. 94, about hits the mark. I wonder why chemists qu y submit to such an unjust surcharge, and I wonder y the Proprietary Articles Trade Association counten e it. The reasons given for the surcharge are abs l. Where does the double carriage come in, when one chases from a wholesaler and carries it away hims ? I have been surcharged for such items as Glaxo, V , and Allenbury's Foods, which I personally fetched. I fancy all the three lines pay carriage to the whol e house. Again, I was surcharged by a York house r items sent by parcel post, which postage I pay. Furt , what about carriage on returned empties from ret r to wholesaler? I think it is about time that we u i and bought direct, not only proprietaries, but drugs, i save the profits which go to the wholesaler. It amo s to this—we are surcharged 1½ per cent., and cannot t it on to the purchaser, which is a dead loss to us.

Yours truly,
Indignant Retailer. (180/41

Sir,—In connection with the medicine-stamp du s and the 1½ per cent. surcharge on proprietaries, I w l suggest that the simplest way of all would be to raise e present face-value by the amount of the stamp affix ; thus the present 1*s.* 3*d.* article would become 1*s.* 3*d* 3*d.*, or 1*s.* 6*d.* face-value, and the 3*s.* one 3*s.* 6*d.*, an on. If the Revenue authorities could be persuaded grant this, it would allow both the retailer and wh saler a larger margin without any confusion in new st rates. Yours truly,

Francobolla. (179/21

State Dispensaries Scheme.

Sir,—Mr. Hocking's attitude towards the retail, his paper of which you give an extract in the *C. & D.* January 31, reminds me of the story of a visitor to asylum, who asked one of the inmates why he was th and was told it was a case of majority. On being q tioned further as to what he meant, he replied that " said the other people were mad, and they said he w and the majority won." I should have thought Hocking would have more dignity from his position t to indulge in cheap sarcasm on brother members of craft. I have met pharmacists in retail business wh scientific knowledge is more than equal to his, and t are also able to dispense. I am in touch with ot hospital pharmacists, and they, like myself, do not appr of his statements. Several other points in the pa would also bear criticism. Yours faithfully,

Westminster Hospital. R. Fouracre

Sir,—The paper by Mr. Hocking (*C. & D.*, January p. 82) is the first concrete scheme which I can remem having seen for the working of State dispensaries, a as a panel pharmacist who has possibly done more th the average amount of Insurance dispensing, I should l to point out one or two objections which strike me reading it over. Mr. Hocking states that each county to be divided into groups of hospitals, with a large c at the head of each group; in counties bordering on t Metropolis or other big towns the bulk of insured persc would be massed in the suburbs, and the rural distri would be correspondingly bare. The suburban are frequently rely on a London hospital at the present tim and the rural neighbourhood on the country town, this would necessitate the founding of new institutio in many cases at large expense. Where such dispensari are insufficient, additional ones are to be set up in or ne municipal offices, etc.; at the present time the insur person's income limit has been raised to 5*l.* per wee and this will include a large number of the so-called blac coated workers. I cannot see them appearing at the loc town hall to collect their medicine. It is not uncomm now to hear remarks over the counter about charity mec cine and requests to pay for having it made up proper instead of on the panel, which show that the insure public have a mistaken idea that they get inferior quali and indifferent treatment, and it is certain that this id would be much more prevalent if they had to go to State dispensary. The principal beneficiaries would be th

nt-medicine proprietors. With regard to the full and plete formulary, this cuts right at the root of the ciple of the Insurance Act, which was largely brought vard to do away with the bad features of the old em of club practice, not the least being the use of k mixtures, and to ensure each patient obtaining rate and special treatment as required by his condi-. This object has been partly defeated already by use of local formularies, which were introduced for pness, and, if a general Pharmacopœia were esta-hed, mixtures, pills, ointments, etc., would be kept ly made, and the doctor would be expected to order e only. Luxury prescribing would be abolished. I ture to assert that it has been abolished already, the s being on the doctor. He prescribes well below the harge limit. Mr. Hocking estimates that 150 dis-sers would be needed, presumably one for each dis-sary. As the bulk of the scripts come in during the hour in the evening he would have rather a strenuous e if he displaced half a dozen panel chemists in any area. But as it would be a Government office, the ortunate patients would have to put up with waiting other inconveniences, and the result would be that ny would not go at all, and the pharmacist might be well off as before. Yours faithfully,

ANTI-STOCK. (172/65.)

Establishment Charges.

IR,—The question raised by "Selah" (*C. & D.*, uary 31, p. 95) was bound to come. The crux of Liverpool lecture was wages. My system of an erly shop reduces staff, and my practical pharmacy rse (*C. & D.*, 1918, p. 753) enables the druggist work with only one high-priced man and the others per young labour. Marshall Hall said at a dinner the Pharmaceutical Society, years ago, "Much of your k can be done, and is being done, by girls and boys." re were cries of "No, No," but he was right. Now, luding managers' salary, the percentage of wages to nover in a large company is 4 per cent. I am able work at 5¾ per cent., excluding personal remuneration, ich shows that my business is much more closely anised, as I have no centralised big turnover to pull vn my expenses. Yours,

JAY MACK.

IR,—Replying to "Selah" (*C. & D.*, January 31, 95), in my business, with one assistant and two appren-es, wages are 7.3 per cent. of takings; with a second istant at present rates it would take about 13 per t. Rent (without living accommodation) accounts for er cent., and includes rates and taxes.

Yours faithfully

ERIN. (174/6.)

Are Chemists Bound to Dispense?

IR,—I decline to be challenged by Mr. Ferris or by body else. I have hitherto made no charge against yone; I have suggested that if pharmacists desire to professional men they must be subject to some idea of nduct. This code must be imposed by the Pharma-utical Society, and it can only act by removing a man's me from the Register. I am entitled to say that if a n commits murder he ought to be struck off the Register thout being called on to prove that murder by pharma-sts is in fact very common, or without being subjected the charge of having libelled pharmacists as potential rderers. I may also hold that rape or robbery are fences which ought to be incompatible with membership the Pharmaceutical Society without being obliged to ow proof to any chemist who likes to write to THE HEMIST AND DRUGGIST that these are daily incidents in ery pharmacist's career. As the question has, however, en raised so persistently by some of your correspondents, may perhaps say that I consider the proper person to be otified about such complaints is the Chief Commissioner Police, and that I have already informed him that I ve details and particulars of a number of cases in hich ex-Service men were obstructed (or prevented) while taining needful remedies, and that I would bring the atter to the personal notice of the Lord-Lieutenant if e practice did not cease. I happen to be in a position to know more about this matter, probably, than anyone else in Ireland as President of the Demobilised Soldiers' and Sailors' Federation. Naturally, these men come to me with their grievances and complaints, and I propose to rectify them even if Messrs. Ferris, Kerr, Weir and their sympathisers keep me off the Pharmaceutical Council thereafter. Anyhow, I have no apologies to offer either to them or to anyone else. Yours truly,

Dublin. J. C. MCWALTER.

The New Insurance Dispensing Terms.

SIR,—May I point out a slight discrepancy which has crept into my letter (*C. & D.*, January 31, p. 94)? 2 P.M. on Saturday should have read 12 P.M., or midnight, this, of course, being our busiest day, and the pharmacy was closed when trade stopped and not before.

Yours faithfully,

ONCE A JUNIOR. (165/36.)

SIR,—National Health Insurance seems more or less in the melting-pot just now—at all events as far as we "hand-maid" chemists are concerned. But in our populous (20,000) working-class suburb we claim a real grievance. Having to close at seven on ordinary nights, we are compelled to keep open (in rotation) from seven to eight for prescriptions only. On Friday nights this is particularly annoying, as our neighbours—grocers, general dealers, etc.—are open till eight selling glycerin, honey, chamomiles, senna, feeding-bottles, infant foods, etc., besides toilet and sanitary goods and (we suppose) non-scheduled patents where they carry a licence.

Yours faithfully,

JUSTITIA. (174/19.)

SIR,—I cannot but wonder whether chemists generally realise the doubtful value of the supposed increase in remuneration for Insurance dispensing. Additional service is supposed to be given by chemists in return for the generosity of the Minister of Health. We must not forget, however, we are being paid in depreciated currency, the actual value of which is not 5.4*d.* but 2.4*d.* Another point which must not be overlooked: If there should be a rota of later hours, the dispensing done during those later hours will not bring greater remuneration, as the work then completed will only be discounting the dispensing that would come in next day. Yours, etc.,

Gateshead. J. MANNERS.

Chemists' Retail Price Lists.

SIR,—We would like to reply to Mr. Hughes' letter (*C. & D.*, February 7, p. 94). We take it that if a chemist makes ess. menth. pip. he would also make sp. menth. pip., and that if he were asked to show cost of the one he would be equally liable to be required to produce the cost of the other; and we contend the two costs should be identical, whether made by the chemist or purchased from the wholesaler. Respecting Mr. Philip's list and Profiteering Committees we seem to have read recently an advertisement of his in which he asks chemists to subscribe to his list to assist them against profiteering charges. Finally, at the expense of extending the argument, we would ask why Mr. Philip fixes the profit of 33 per cent. when we are allowed to make the same profit as in pre-war days? In turning up an old list (1911) we find it would have cost us at that time just over 3*d.* per oz. to make, while the usual price over the counter in those days was, we believe, 6*d.* per oz.

Yours faithfully,

BEVAN & STOOKE.

Stolen Perfumery Materials.

SIR,—A case containing "de Laire" perfumery and soap products having been stolen from 12 Railway Approach, London Bridge, S.E. 1, we shall be glad if you will warn your readers against any irregular offers that may be made of the goods, which consist, mainly, of civette powder and neroli de Laire. The case was delivered here by carriers, and stolen intact within half an hour, before it could be unpacked. It was marked "B.B. Co. 136," and contents all bore the de Laire label.

Yours faithfully,

For BURGOYNE, BURBIDGES & CO., LTD.,

J. H. ALDRIDGE.

Legal Queries.

A. S. C. (165/74).—Registration of Trade-marks.—See *C. & D. Diary* 1920, p. 308.

L. & C. (157/10).—The unqualified partner in a business using the title "chemist" and keeping open shop for the sale of poisons would be liable to penalties under the Pharmacy Acts.

S. C. (172/59).—The duty of affixing medicine-stamps to proprietary medicines, such as formamint, that are imported into Great Britain rests with the "first vendor" in this country—*i.e.* the importer.

D. F. A. (154/42) sends us a printed form of tenancy agreement, and asks whether it is suitable for use in respect of a seven years' tenancy of a house and shop. [The form is not appropriate, and we advise "D. F. A." to consult a solicitor with a view to the preparation of a lease.]

P. (154/17).—(1) The use of a brand-name to a series of "known, admitted, and approved remedies" does not render them liable to medicine-stamp duty. (2) The references to the *C. & D. Diary*, 1920, are sufficient in those cases where there is only one remedy given under a title.

Saccharin (167/11).—A case was reported in the *C. & D.*, 1919, p. 1496, in which the respondent claimed that saccharin tablets were not included in the Orders made under the Profiteering Act. The tribunal referred the matter to the Board of Trade.

W. J. (173/38).—Mercury protiodide, or green iodide of mercury, is not a scheduled poison. It is only the mercuric iodides that are included in the poison schedule. Tincture of henbane is a poison in Part II. of the same schedule. It is brought in by the "omnibus" clause. (*See C. & D. Diary*, 1920, p. 294.)

G. C. A. (151/33).—You should apply to the Pharmaceutical Society, 17 Bloomsbury Square, London, W.C., for a form of application for admission to the Register of Chemists and Druggists under the new by-law. The list of institutions where dispensers may have been employed is given elsewhere in this issue.

Caius I. (152/62).—(1) The formation of a private limited company requires a minimum of two persons as subscribers, and, in the case of a company carrying on the business of a chemist and druggist, one of the directors must be a registered chemist. (2) Your solicitor will advise you regarding the formation of a limited company.

Cosmos (164/64).—(1) You are not eligible under the new by-law of the Pharmaceutical Society for registration as a chemist and druggist without examination; (2) It is the Home Secretary who grants permits for unqualified persons to receive cocaine, but it is very unlikely that he will grant you permission to receive 10 per cent. solution for dental purposes.

W. S. P. (166/18).—Although it would be difficult, in certain circumstances, to procure the conviction under the Pharmacy Acts of an unqualified person who sells a bay-rum and cantharides hair-wash, there is the Merchandise Marks Act to consider. If the label states that cantharides is present, a person who pleaded that there was no statutory poison there would be liable to prosecution under the Merchandise Marks Act for false marking.

Aloes (141/18).—The present state of the law in Ireland regarding pharmacy companies is that a limited company can carry on the business and use the title "pharmaceutical chemist" so long as a pharmaceutical chemist (Irish qualification) is employed to manage and conduct the business. It is not necessary in Ireland that the qualified person be a director of the limited company employing him. In Great Britain the matter is on a different basis, and limited companies carrying on business as chemists are regulated by the Poisons and Pharmacy Act, 1908.

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as their origin, what they are, what they are used for and ho We do not undertake to analyse and report upon proprieta articles nor to publish supposed formulas for them.

E. W. (178/65).—Golden Corn Cure.—The follow is the formula for which you ask:

Ac. salicyl.	ʒij.
Ether.	ʒij.
Ac. lactici	ʒiv.
Collod. flex.	ʒxx.
Chrysoidin	q.s.

Misce.

T. Y. (177/31).—"Pharmaceutical Formulas" (*C. &* Office, 15*s.*) contains numerous recipes for toilet prepa tions of all kinds.

W. R. (174/16).—To Prevent Water Freezing Radiators add to it calcium chloride. A 10-per-ce solution freezes at −5.9° C., 16-per-cent. at −12.2° and 20-per-cent. at −18.6° C. Glycerin and spirit sometimes used, but have disadvantages over calci chloride.

W. T. G. (178/30).—Making a Positive from a Ne tive.—The simplest method is that employed in the au chrome process. The photographic plate is develop with a metol developer, and then immersed in a reversi solution made as follows:

Potassium permanganate ...	30 grs.
Sulphuric acid	3 drs.
Water	35 ozs.

W. R. B. (170/62).—Cleaning Marble Statuary.—Th use of soap is tabooed by some experts, who recommer in place of it washing the marble with solution of bora or sodium carbonate. Another suggestion is to use paste of whiting, sodium carbonate, and water, with without the addition of oxgall.

B. C. (181/65).—Worms on Lawn.—Lime-water is t best non-poisonous fluid for use on lawns to cause worn to come to the surface.

Retrospect of Fifty Years Ago

Reprinted from "The Chemist and Druggist." Feb. 15, 1870

The Drug Sales.

There is a little district about midway between the Roy Exchange and the Tower of London which, if it be to great extent wanting in architectural display and historic associations, is nevertheless to England and the world on of the most important spots in the Empire. This assertio may run counter to the prejudices of a few millions of ou countrymen, among whom might be found champions for a least a dozen spots in the United Kingdom. Scotchme would place the "hub of the universe" somewhere north o the Tweed, and Irishmen would point to many more im portant spots west of St. George's Channel. Rotten Row Tattenham Corner, and Capel Court would each an severally win the suffrages of many Englishmen; while th inhabitants of many a little rural borough, upon whic "the eyes of Europe" had been frequently fixed, would pu in its claims with a sublime confidence alone worthy o success. But when we think of the immense and constantly increasing importance of the trade of this country, and ho every year the taunt of Napoleon respecting our shop keeping tendencies is more amply verified, and accepted by us as a fair description of our national character, we ma unhesitatingly affirm that the life of our people, th brilliance of our fashion, and even the glory of the British Constitution itself, rest to a great extent on the solidity of the foundations of our commerce; and further, that in the most distant quarters of the globe prosperity is more o less dependent on the London markets. Considering this, then, we point to the little district we have mentioned, which comprehends Mark and Mincing Lanes, as the central spot of England's commerce, the nucleus of all her markets, and, as it were, the source of the wealth, the luxuries, the comforts, and the necessaries of her inhabitants, and of vast multitudes of other populations as well.

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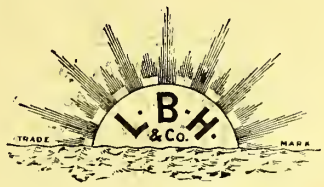

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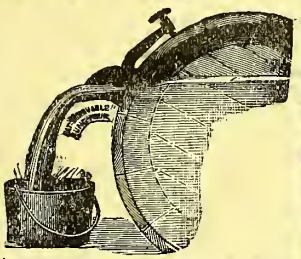

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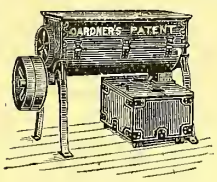

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Magnes. Calc. Levis	P.B. 2/6 "	Genuine Carraway Seed	10

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Particulars of
GENEROUS WINDOW-SHOW BONUS TERMS
Sent on application.

Grasshopper OINTMENT AND PILLS

Protected at Face Value by P.A.T.A.

These remedies have been before the public for upwards of fifty years, and ARE STOCKED by all the leading WHOLESALE HOUSES throughout England and the Colonies.
During the last three years our expenditure in ADVERTISING has been TREBLED.
Our turnover has also TREBLED, and MAIL ORDERS have multiplied TENFOLD.
MAIL ORDERS we do not desire, they entail additional labour without extra profit, and indicate that our goods are not stocked by the RETAIL CHEMIST, sales thus being undoubtedly lost.
To obviate this, if YOU WILL stock our goods WE WILL indemnify you AGAINST LOSS by accepting returns direct at our warehouse and PAYING for same by return post at invoice price PLUS cost of postage or carriage.

ALBERT & CO. 73 Farringdon Street, LONDON, E.C. 4

Never be without

ZI-ZI OINTMENT

On the P.A.T.A.

The genuine remedy for
ECZEMA, CUTS, BRUISES, SORES, BURNS, PILES, PIMPLES, BAD LEGS, SORES on HEAD, CHAPPED HANDS and ALL SKIN TROUBLES.

Liberal Terms to the Trade.

Apply to your Wholesaler or to

The "ZI-ZI" CO., Newmarket.

Advertising matter free on request.

THE CONQUEROR OF PAIN!
JABEZ WOLFFE'S
Channel Embrocation

The finest preparation for Rheumatism, Sciatica, Neuritis, Muscular Stiffness, Sprains, Cramp, Stings and Bites.
Should be stocked by every Chemist.
Prices: 1/3, 3/-, 5/- per bottle.
Trade terms: 25% & carriage paid on orders of £3 & upwards.

The Laboratory, 12 Hampton St., BRIGHTON - SUSSEX - ENGLAND.

Agents required for certain areas.

Cephos REGD

For NEURALGIA, HEADACHE, RHEUMATISM and INFLUENZA.

Write for wholesale terms to

CEPHOS LTD., Blackburn, Lancs.

NOW BEING LARGELY ADVERTISED.

Dr. BLOSSER'S REMEDY

An herbal preparation to be smoked. Contains no tobacco or cubebs. Has been on market for over forty years. Wonderfully successful in relieving Catarrh of the Head and Nose, Catarrhal Deafness, Asthma, Hay Fever and Colds. *An aid in preventing Influenza.* Prepared in **Two Forms.**

Dr. BLOSSER'S CIGARETTES

100 in Box. Retail Price, 5/6
Retailer's Price, 54/- per dozen

Dr. Blosser's Remedy in Powdered Form

To be smoked in a pipe, furnished with each box. Retail price, 5/6; Retailer's price, 54/- per dozen.

OBTAINABLE THROUGH WHOLESALERS

Dr. BLOSSER LTD., 33-34 TEMPLE CHAMBERS, Temple Avenue, LONDON, E.C.4

12/6 **13/6**

SEIDLITZ POWDERS.

Why pay these Prices?

NOTE OUR PRICES:—

B.P. 1 gross 10/10 carr. paid
3 ,, 10/6 gr. ,,
6-10 ,, 10/- ,, ,,
20 ,, 9/9 ,, ,,

In view of 60 % increase of Transport rates.
BOXED IN DOZENS 1/3 GROSS EXTRA.

Extra Strong, **12/9** gross, 3 gross, **12/6** gross
Double ,, **16/6** ,, 3 ,, **16/-** ,,

Special Terms for Wholesale and Export.
Foreign and Colonial inquiries solicited.

Succ. Glycyrrh. 2-oz. sticks, 7-lb. @ **4/3** lb., 14-lbs. @ **4/2** lb., 28-lbs. @ **4/1** lb., 56-lbs. @ **4/-** lb.

Inf. Caryoph. Conc. 1-7, gallon @ **1/4** lb.

Liq. Tolu pro Syr. 1-7, **5/6** lb., Winch. **5/3** lb.

Dressing Combs and **Rakes** at very low prices.

Samples (charged for) on application.

Note New Address—
ROSS MANUFACTURING CO.,
Wholesale Chemists,
92 KIRKDALE, UPPER SYDENHAM.

At Stand K 82,

British Industries Fair,

CRYSTAL PALACE,

February 23 to March 5, 1920.

We are showing

Gummed Papers

for the

Chemist and Doctor.

SAMUEL JONES & CO. Ld
BRIDEWELL PLACE,
LONDON, E.C. 4.

ÉTABLISSEMENTS CHATELAIN,

2 & 2 bis RUE DE VALENCIENNES, PARIS.

Sole Manufacturers of

JUBOL

RE-EDUCATION OF THE INTESTINE.

Constipation, Enteritis, Hæmorrhoids, Indigestion, Skin Blemishes, &c.

Price **5/-** per box.

GLOBÉOL

POWERFUL BLOOD TONIC.

Anæmia, Nervous Exhaustion, General Debility, Tuberculosis Convalescence, etc.

Price **5/-** per bottle.

PAGÉOL

POWERFUL URINARY ANTISEPTIC.

Cystitis, Prostatitis, Catarrh of the Bladder, Renal Tuberculosis, etc. etc.

Price **5/-** and **11/-** per box.

JUBOLITOIRES

SCIENTIFIC SUPPOSITORIES

For Hæmorrhoids, Rectitis, Anal Fistula, etc. Anti-hæmorrhagic, Sedative, De-congesting.

Price **5/-** per box.

URODONAL

POWERFUL URIC ACID SOLVENT.

Rheumatism, Gout, Arterio-sclerosis, Stones, Gravel, Sciatica, Neuralgia and all Uric Acid disorders.

Price **5/-** and **12/-** per bottle.

VAMIANINE

New Scientific Preparation for Chronic Skin Affections, Psoriasis, Eczema, Acne, etc.

Price **11/-** per bottle.

SINUBÉRASE

SCIENTIFIC PREPARATION OF LACTIC FERMENTS.

Indicated in Intestinal Disorders, Dysentery, Diarrhœa, Dyspepsia, Enteritis, Typhoid, Skin Eruptions, etc., etc.

Price **5/-** per bottle.

FANDORINE

Metrorrhagia, Dysmenorrhœa and Lactation, Pains, etc. etc.

Price **5/-** and **11/-** per bottle.

GYRALDOSE.

Antiseptic for local Gynæcological use.

Price **4/-** per box (powder)
" **5/-** " (tablets)

FILUDINE

SPECIFIC FOR THE LIVER.

Malaria, Diabetes, Cirrhosis, Sluggish Liver, Tuberculosis, etc.

Price **11/-** per bottle.

Heppells

BRITISH AND COLONIAL AGENTS—

Pharmacists & Foreign Chemists, 164 Piccadilly, LONDON, W. 1.

Telegrams: "URODONAL LONDON." Telephone: Regent 192.

AUSTRALIAN AGENT: Mr. BASIL KING, Malcolm Buildings, Sydney, N.S.W

INDIA (SUB-AGENTS): G. ATHERTON & CO., 8 Clive Street, Calcutta.

Stocked by all Wholesalers. ***Now being largely advertised.***

P.A.T.A. NOTICE.

113 Temple Chambers, E.C. 4.

February 14, 1920.

The following revised prices are now in force:

Advertised Price.		Minimum Retail Price.	Minimum Wholesale Price.
			doz.
2/-	"Allenburys" Complete Feeder	2/-	18/-
1/3	" Spare "	1/3	11/3

(Messrs. Allen & Hanbury's Ltd., will supply price tickets quoting revised prices to retailers on application.)

Anglo-American Pharmaceutical Co's Preps.:

			doz.
3/6	"Tubelette" Menthol & Wintergreen Cream	3/6	30/-
4/6	Huxley's Menthol & Wintergreen (Wintogen) (stamped)	4/6	42/-
	Huxley's Menthol & Wintergreen (unstamped)	4/3	30/-
1/6	Browning's Oxygenated Tooth Powder	1/6	12/6
6½d.	Grossmith's Cachous (in tins)	6½d.	4/-
8d. oz.	" " (in bulk)	8d. oz.	6/9 lb.

Papier Poudre Preps.:

1/-	Poppoea Rouge Pads	1/-	8/- doz.

Kay's Compound Essence of Linseed,

"LINSEED COMPOUND"

(Regd. Trade Mark).

For COUGHS and COLDS.

On the P.A.T.A. List.

"KAY'S TIC PILLS."

"MOUNTAIN FLAX PILLS"

Linum Catharticum (Regd. Trade Mark).

"COAGULINE" & "TENASITINE" CEMENTS.

"ORBITE"

Banding Material for Fruit Trees.

BIRDLIMES, RATLIMES, and FLYGUMS.

Sole Makers :—

KAY BROTHERS LTD., STOCKPORT.

Medicinal
non-freezing

COD LIVER OIL

FROM STOCK.

K. MALMBERG,

110 Cannon Street, LONDON, E.C. 4.

AND AT NEW YORK

Telegraphic Address:
"Obtempero, Cannon, London."

Telephone No.:
City 6321.

Extract of Malt

and

Cod Liver Oil

IN BULK, JARS OR TINS.

Prices on application.

THE

BRITISH DIAMALT CO.

BISHOP'S STORTFORD.

Proprietors { H. A. & D. D. TAYLOR
H. D. & C. T. TAYLOR

MALT & COD LIVER OIL

Prepared only from the finest East-Coast Barley, Combined with the best Norwegian Non-Freezing Cod Liver Oil.

Packed in Screw-Capped Jars, Bottles and Tins, holding 1 lb. and 2 lbs. Neatly Labelled and Wrapped. Customer's Name printed on Labels for Orders of 1 gross and upwards.

TELEPHONES:
—Pollokshaws 14
—Avenue 5661
(3 lines).

PERRY & HOPE, Ltd.

TELEGRAMS:
"Perryope, Nit
"Perryope, Ltd. Lo

NITSHILL, near GLASGOW.

London Office: 1 LEADENHALL STREET, E.C.3.

With Influenza Colds, Catarrh and Coughs raging round half the world, there is a ready and growing demand for

Oraloids

(Oral Antiseptic Tablets).

Packed in attractive boxes retailing at 1/3 and 3/- each.

ON P.A.T.A.

With advertising bonus, they show a profit of over 30% to the Retailer.

A sample tin (with details of advertising bonus terms) will be sent to any Chemist who has not yet had one.

SHOW BIG PROFITS.

Full particulars from

MENLEY & JAMES, LTD., Manufacturing Chemists.
"MENLEY HOUSE," FARRINGDON ROAD, LONDON, E.C. 1

As Advertised in
THE SKETCH
BYSTANDER
ONDON OPINION
PICTURE SHOW
AND MANY
OF THE LEADING
PROVINCIAL
JOURNALS.

BEECHAM'S PILLS

WHOLESALE PRICES.

Beecham's Pills:

1s. 3d. size	... ...	**10s. 6d.** per doz. net.
3s. 0d. „	... ...	**26s. 6d.** „ „
5s. 0d { new size (contains double the quantity of 3/- box.	... ...	**50s. 0d.** „ „

Beecham's Cough Pills:

1s. 3d. size	... ...	**10s. 6d.** „ „
3s. 0d. „	... ...	**26s. 6d.** „ „

Orders: Minimum quantity £5 value—approximately. | ***Packages FREE. Carriage PAID.***

These Prices are the lowest no matter what quantity is ordered.

TERMS: CASH WITH ORDER.

Cheques to be made payable to **THOMAS BEECHAM**, and crossed "Parr's Bank, Ld., St. Helens."

LIQ. SANTAL FLAV. c. BUCHU et CUBEBA

(Hewlett's)

Packed for dispensing only, in 10, 22, 40 & 90 oz. bottles.

"Experience has shown this preparation to possess the same efficacy as Santal Oil itself. It mixes clear with water, and has a taste by no means disagreeable."

The Practitioner.

VIROPHOS

Of proved utility in Nervous Diseases, and a powerful Restorative for the Digestive Organs and Nervous System.

A Valuable Tonic Food for Children.

"It is of high nutritive value enhanced by the presence of assimilable phosphates."—*The Lancet.*

WHOLESALE PRICES.

No. 1.	1⅔ oz. Tin ...	9/-	per doz.
„ 2.	3½ „	„ ... 14/6	„
„ 3.	6⅔ „	„ ... 24/-	„
„ 4.	12 „	„ ... 42/-	„

MIST. PEPSINÆ CO. c. BISMUTHO

(Hewlett's)

Packed for dispensing only, in 10, 22, 40 and 90 oz. bottles.

"Obviously likely to be of much advantage in the frequent cases of irritative dyspepsia, with atony of gastric or intestinal muscular layers."

British Medical Journal.

Introduced and Prepared only by C. J. HEWLETT & SON, Ltd., Wholesale Druggists, 35–42 Charlotte St., London, E.C. 2.

THE MOST ECONOMICAL INFANTS' FOOD.

TRADE MARK

"FRAME FOOD"

ON P.A.T.A. LIST. ***SHOWCARDS FREE.***

FRAME FOOD CO., Standen Road, Southfields, London.

TRADE MARK.

ESTABLISHED 1785.

R. J. F. & B.'s world renowned Dairy Preparations are used and recommended at the PRINCIPAL DAIRY INSTITUTES and command by far the largest sale in Great Britain.

R. J. FULLWOOD & BLAND'S

ANNATTO RENNET

"Oleo" and "Sunbeam" Butter Colouring. Rennet Powder, Essence of Rennet, Junket Tablets.

.....

RENNET WORKS, ELLESMERE, SALOP.

Offices:

31, 33 and 35 Bevenden Street, Hoxton, LONDON, N.

New Customers every da

for all who stock

WINOX WINE FOOD

Extensive Advertising i creating a colossal deman for WINOX, the fines Medicated Wine on th market, and the only Toni Wine selling entirely o merit.

Secure stocks to-day an double your turnover.

WINOX WINE FOOD is a hig class Pharmaceutical Wine, co taining all the food elements wine, prime English beef, malt, an unfermented grape juice, a triump of concentration without drug Complete Analysis on every bottl

Invaluable in cases of **Influenz** Anæmia, Neuritis, Gastritis, Neu asthenia, Indigestion, Neuralgi Nervous Breakdowns, and othe Nervous and bodily weaknesses. I is the ideal Tonic for Convalescent

Write for particulars of thi

41 % ***Profit Propositio*** *to-day.*

WINOX, LTD., RICHMONI SURREY

A Personal Question to every Chemist. On which side of the scale are you planning and selling ?

Does the Chemist who Works the Hardest make the Most Money?

A TRADE Unionist who works "overtime" may do so because his labour is largely Muscular Work.

The Chemist should not be a labouring man—his knowledge unfits him therefor. Yet there are Chemists to-day working too hard for too little money, because their vision is too much limited to the meagre individual possibilities of their own Pestle and Mortar, instead of being broadened to see and realise the far greater possibilities of PROFIT in supplying the growing public demand created by National Advertising for a ready prepared medically prescribed article like SANAGEN.

SELLING AT 4-oz. 3/- 8-oz. 5/- 16-oz. 9/6

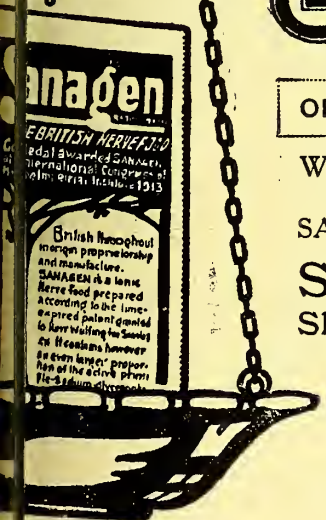
THE PROFITS ARE 1/- 1/8 3/2

ADVERTISING on a big scale in the leading London daily newspapers, etc., is creating a growing demand that the Chemist who shows SANAGEN can supply at far less risk and cost than with many lines. And SANAGEN is a SALES REPEATER

AWARDED GOLD MEDAL AT THE INTERNATIONAL MEDICAL CONGRESS 1913

Sanagen

THE BRITISH NERVE FOOD



OF ALL WHOLESALE HOUSES

WRITE FOR WINDOW AND COUNTER ADVERTISING SALES-AIDS, CARRIAGE PAID.

SANAGEN CO., Ltd.
Sheepcote Lane, Battersea,
LONDON, S.W. 11

TELEPHONE:
VICTORIA 2031.

SUCRON POWDER

Sales are rapidly increasing every week. Excellent Profit is being made.

THE SUGAR SHORTAGE is booming up the SUCRON SALES. The public simply will have it! Nearly 16 times sweeter than sugar. Ideal for Cooking purposes and for the table.

WHAT YOU PAY AND—WHAT YOU MAKE.

Retail **4d.**, **7½d.**, and **1/2** per packet. Wholesale **2/8**, **5/-**, and **9/6** per dozen. Special Parcel containing 3 dozen **4d.**, 2½ dozen **7½d.**, and 1 dozen **1/2** sent Carriage Paid with Showcard and Window Bills for **30/-**. Double Quantity less 2½ per cent.

THE GREENWICH LEMONADE CO.,
11 John Penn Street, S.E. 13.
(J. MILNER, M.P.S., Proprietor.)

Vinum Xericu

BUTTS. 108 galls. HOGSHEADS. 54 galls. QR. CASK 27 galls.

STRENGTH 17°

James V. Oldha

19 St. Dunstan's Hill, London, E.

Telephone: Avenue 3013.

CHELTINE MILK & MALTED FOO

No. 1. from birth to five months.
No. 2. from five months onwards.
No 3. for Invalids, Dyspeptics, the Aged, and those with enfeebled digestion.

Experience is proving, and medical men are testifying to the of these perfect Foods. Terms and full particulars

THE CHELTINE FOODS CO., CHELTENHAM.

John E. Raworth & Mo

Chartered Patent Ager

The Old Mansion House, 73 Cheapside, E.C.2. AND *Queen Anne's Chamb Westminster, S.W*

CURACEA

P.A.T.A. REGD.

LIQUID NERVE TONI

£5 BONUS ORDER.

	Cost £ s. d.	Sells for £ s. d.
5 doz. 1/3 @ 11/-	2 15 0	3 15 0
2 „ 2/9 @ 24/-	2 8 0	3 6 0
	5 3 0	7 1 0
5% dis. for cash	5 2	
	4 17 10	
BONUS. 1 doz. 1/3 or ¼ doz. 5/-		15 0
		£7 16 0

	£ s. d.
Sells for	7 16 0
Cost	4 17 10
PROFIT	£2 18 2

= **60%**

Attractive Showcards and Counter Bills. Orders executed per return. Special Prices for Ireland. All Orders Carriage Paid

CURACEA CO., ELM GROVE, LONDON, S.E. 15.

Advertised all over the Country

Chemists have only to let the public see that they hold a stock of Osmos order to attract customers. Osmos is on the P.A.T.A at 2/6 per bottle a yields a good profit to the retailer.

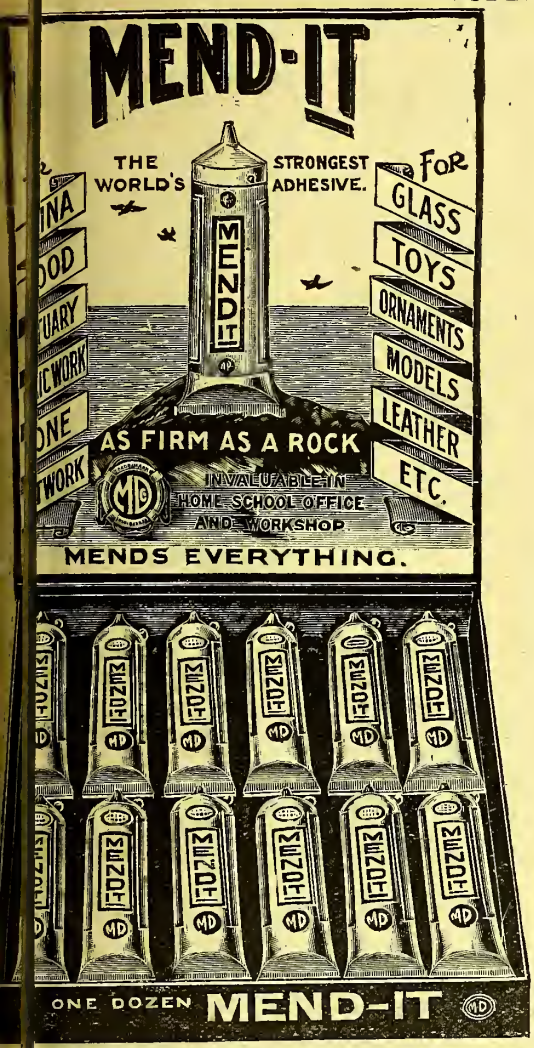
Osmos

The Great British Aperient Water

Note these easy terms

SIX bottles of Osmos sent carriage p to any Chemist in Great Britain a Ireland on receipt of P.O. or remittar for 13 -. Case returnable and when received carriage paid the charge will be credited in full, or it may be retained and we will credit accou with half the cost thereof, viz. 1/-.

Osmos, Crown Wharf, Hayes, Middles



SOLE AGENT

ARTHUR KITSON

MANUFACTURER, IMPORTER & EXPORTER,
LEAMINGTON-SPA, ENG.

Telephone No. 459 Leamington

Wholesale & Export Only

Retail Chemists having any difficulty in obtaining supplies of this popular everyday selling line should write to the Sole Agent who will pass any orders on to the Wholesale Houses holding stocks.

Insist on "MEND-IT"

Retails **3d.** & **6d.**

THE DANCING BOOM

Holds a PROFIT for you.

SLIPPERINE

Ballroom Floor Polish

is a sure seller and business-bringer. It is just the "little better" that makes repeats certain. A "Slipperined" floor is the perfect dancing-floor.

P.A.T.A. 1/6 size, 12/- dozen
„ 2/6 „ 20/- „

Showcards and Window Bills supplied.

WHOLESALE AGENTS—

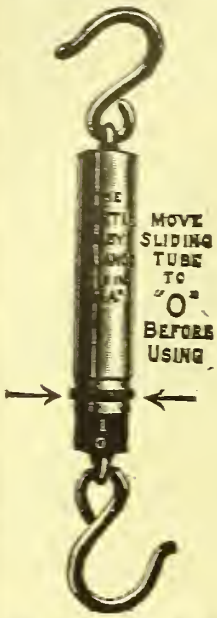
MAY, ROBERTS & CO., LTD. ...	LONDON
RAIMES, CLARKE & CO., LTD. ...	EDINBURGH
HARKNESS, BEAUMONT & CO. ...	EDINBURGH
T. & H. SMITH, LTD.	EDINBURGH
PINKERTON, GIBSON & CO. ...	EDINBURGH
LORIMER & MOYES, LTD. ...	GLASGOW
COCKBURN & CO., LTD. ...	GLASGOW
HARKNESS, GALLACHER & RUFF	GLASGOW
W. PATERSON & SONS	ABERDEEN

Where not represented, the Makers will gladly send a *first order* for 1 dozen, carriage paid, cash with order. Makers—

JOHNSTON & ADAMS

DUNDEE - - SCOTLAND

Just Arrived.



A Limited Consignment of
THE
"PORTIA"
(Regd.)
NET WEIGHT
Baby Balance
Weighs up to 15 lb.

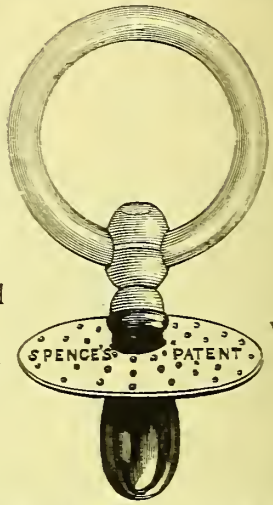
Price	Retail
30/- dozen.	3/6 each.

Owing to restricted imports this line has been off the market for some time, and we think that many friends will be glad of the opportunity of renewing their stock.

SOLPORT BROS., Ltd.
184 to 190 Goswell Rd., London, E.C.1.
Obtainable through all Wholesale Houses.

SPENCE'S SOOTHERS

This is a Speciality of ours—Best Quality Well-Fitted and Attractively Carded.



Stocked in 71 Varieties. All Good Selling Lines and well-known to the Public.

A complete set of Samples can be sent upon receipt of Postal Order value £1. 7s. 6d., OR a good selection for 10s., carriage paid.
(Money returned in full if not satisfied.)

Representative can call in London and Suburbs with Samples, upon receipt of Post Card.

H. B. SPENCE, 44 THORNE ROAD, SOUTH LAMBETH, S.W.8
Telephone: Brixton 1772.

SURGICAL SUPPLY Company
FOR
ELASTIC HOSIERY
ELASTIC CORSETS
(The corset of the future—the acme of perfection.)
ELASTIC BUST SUPPORTS
ELASTIC BELTS
Also Enemas, Hot Water Bottles, Bathing Caps, Air Cushions, Rubber Gloves. Douche Cans and Fittings.

The SURGICAL SUPPLY COMPANY,
4 PICCADILLY, MANCHESTER.

Sponge Bags
(CHECK)

Nos.	1	2	3	4	5	6	
	6/-	7/-	8/6	10/-	12/6	14/-	per doz.

Bathing Caps
(CHECK)

Nos.	1	2	3	
	8/-	9/-	10/-	per doz.

THOS. SWALES
CHEMISTS' SUNDRIESMAN,
24 Butts Court, and 89 Albion Street
LEEDS.
Telephone No.: 22260 Leeds. Telegrams: "Swales, 22260 Leeds.

DOUCHE CANS, Enamelled Iron.
ENEMAS in great variety.
THROAT BRUSHES.
CAMEL HAIR PENCILS.
WHIRLING SPRAYS.
CELLULOID EYE SHADES.
CATHETERS—Elastic, Gum and Rubber.
Contractors to India Office, War Office, Admiralty, &c. &c.

E. BRASSE, Culvert Works,
South Tottenham, N.15.
[1]

The Brand "Ingram's London" is a Guarantee of Quality.

The India Rubber Hot Water Bottle with a reputation for Reliability, Perfect Construction, and Adaptability to all Conditions.

INGRAM'S

"Eclipse"

REGD

HOT WATER BOTTLE

Fitted with a *Washer* that cannot be lost, and made with a Neck that cannot *Leak*.

Obtainable through all Wholesale Houses.

SHOWCARDS FOR CHEMISTS.

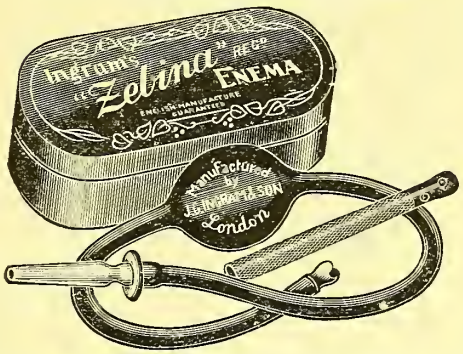
A supply of neat Showcards for window or shelf display, $6\frac{3}{4}''$ by $5\frac{1}{2}''$, will be sent on application.

INGRAM'S

BRITISH-MADE

SEAMLESS ENEMAS

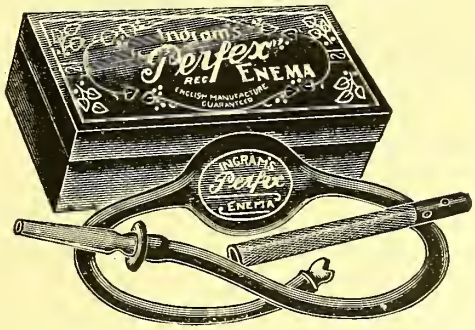
THE "ZEBINA" ENEMA (Regd.)



Guaranteed Not to Split (Ordinary Bulb).

Practical Workmanship. Perfect Construction. Fitted Complete with Bone Rectum and Gum Vagina Pipe and Leather Shield, and packed in an attractive Card Box.

THE "PERFEX" ENEMA (Regd).



A Reliable Quality Seamless Enema (Ordinary Bulb).

Perfectly Safe. Perfectly Hygienic. Fitted Complete with Bone Rectum and Vagina Pipe and Leather Shield, and packed in an attractive Card Box.

P.A.T.A. PRICES OF INGRAM'S REGISTERED ENEMAS.

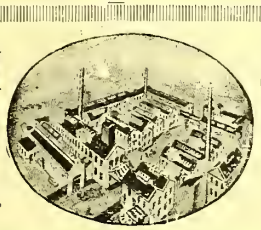
REGISTERED TRADE MARK	Wholesale Prices to Chemists	Minimum Retail Prices
	Per doz.	Each
ADAPTABLE ...	66/3	7/4
ECLIPSE ...	60/0	6/8
STERILENDUM	49/9	5/6
ZEBINA ...	47/9	5/3
ATALANTA ...	44/0	4/10
UTILEMA ...	40/6	4/6
ZENITH... ...	40/6	4/6
PERFEX ...	32/6	3/8

J. G. INGRAM & SON, LTD.

THE LONDON INDIA RUBBER WORKS,

Established 1847. Telephone 1406 East,

HACKNEY WICK, E. 9. LONDON, ENGLAND.



No article is more liable to affect your reputation for "good value" than so-called cheap Hot Water Bottles.

The Silvertown Bottle is the product of over 60 years' experience of rubber manufacture and gives reliable service. Please send us your inquiries.

The India Rubber, Gutta Percha & Telegraph Works Co. Ld.
(The Silvertown Company)
HEAD OFFICE: 106 Cannon St., London, E.C.4.
WORKS: Silvertown, London, E.16.

Silvertown

BRANCHES:
HOME—Belfast, Birmingham, Bradford, Bristol, Cardiff, Dublin, Glasgow, Liverpool, London, Manchester, Newcastle-on-Tyne, Portsmouth, Sheffield.
ABROAD—Adelaide, Buenos Aires, Calcutta, Christchurch (N.Z.), Durban, Johannesburg, Melbourne, Sydney

This Week.—Special Offer for You

BEST BRITISH MAKE.

6×8	6×10	7×10	8×10	8×12
3/7	3/11	4/2	4/6	5/-

8×14	10×12	10×14
5/8	6/-	6/8 ea.

This offer must soon be withdrawn.

SPECIAL DISCOUNTS FOR QUANTITIES.

Special Line.—Brown Twill Waterproof SPONGE BAGS.

Size	1	2	3	4	5	6
	5/3	6/6	8/-	10/-	12/6	15/- doz.

Less 10% for 6 dozen assorted size orders.

SURGICAL RUBBER GOODS of all kinds.

JAMES TOMPKINS, LTD.
The Rubber House,
386 CITY ROAD, LONDON, E.C. 1.
All-British. Established 44 Years. Phone: City 7640.

WHOLESALE DEPOT FOR "SORBO" RUBBER SPONGES.

VINCENT WOOD'S

(GOLD MEDAL, GUARANTEED)

Hot Water Bottles

6/6 lb. 12 × 8 weighs under 13 oz.

Covers for same, assorted sizes, 21/- doz.

BELTS TRUSSES SUSPENSORIES & Surgical Appliances
AT LOWEST CURRENT RATES

91 & 93 Newington Causeway, London, S.E. 1.

GOOD SELLING LINES, GOOD PROFITS, AND ABSOLUTE SAFETY IN STOCKING

"HOBSON'S CHOICE"

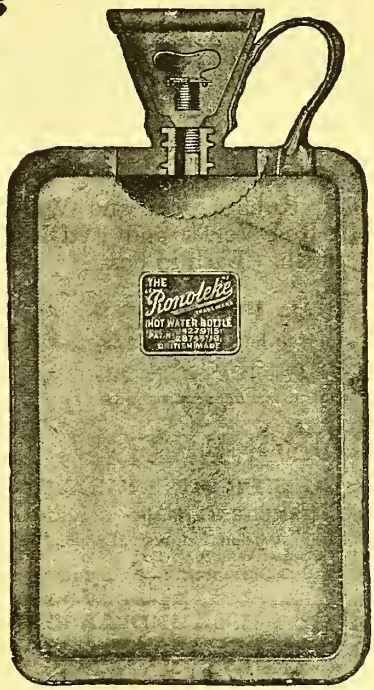
FEET PLAISTERS AND POWDERS

STOCK IS RETURNABLE AT ANY TIME, FOR ANY REASON, AND FULL PRICE REPAID.

For Prices and Samples apply to

HOBSON, TRIMBLE & CO., LTD.
Union St., and Market, LEEDS,
or your own WHOLESALE HOUSE.

Every "Ronoleke" REGD. You Sell



makes a Customer for your other Lines

The fact that the "Ronoleke" Bottle CANNOT leak makes satisfied customers who will have confidence in coming to you for all their other needs. Make sure of your supply of "Ronoleke" Guaranteed Unleakable Hot Water Bottles by ordering through your Wholesale House right away NOW.

They will supply you also with attractive advertising material, and the "Ronoleke" itself will advertise you in every purchaser's home.

Revised Prices.

Protected on the P.A.T.A. List.

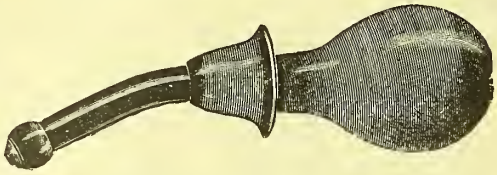
Size	Minimum Wholesale Prices to Retailers	Minimum Retail Prices to Public
6" × 8"	5/3	6/10
6" × 10"	5/10	7/6
7" × 10"	6/–	7/9
6" × 12"	6/2	8/–
7" × 11"	6/3	8/1
8" × 10"	6/7	8/6
7" × 12"	6/9	8/9
6" × 14"	6/9	8/9

Size	Minimum Wholesale Prices to Retailers	Minimum Retail Prices to Public
8" × 12"	7/4	9/5
9" × 12"	7/9	10/–
8" × 14"	8/–	10/3
10" × 12"	8/3	10/7
10" × 14"	9/3	11/11
10" × 16"	10/1	13/–
12" × 14"	10/4	13/3
12" × 16"	11/–	14/2

Your Wholesale House will supply you

WE OFFER FROM STOCK

WHIRLING SPRAYS



Finest stout Rubber Ball and Vulcanite Mount. In Red Velvet and Red Enamel finish. Each in box.

54/- per dozen.

3-dozen lots and upwards,

51/- per dozen.

ARTHUR BERTON, Ltd.

15/17 WORSHIP STREET, E.C. 2.

LONDON, MANCHESTER and GLASGOW.

Telegrams: "Aybelim, Finsquare, London."
Phones: London Wall 507; City 998.

AMPUTATING DISSECTING AND VETERINARY KNIVES.

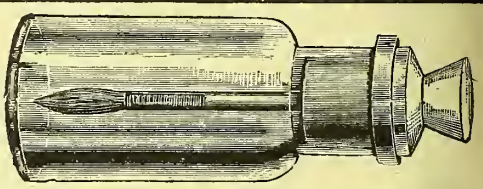
CORPORATE MARK INTRINSIC

SYMES, SCALPELS, BISTOURIES, LANCETS, CORN KNIVES CHIROPODISTS' KNIVES

FOR AN INTERESTING EXHIBIT
OF THE
WORLD-FAMED "INTRINSIC" SURGICAL KNIVES, SCISSORS, AND CUTLERY

call at STAND No. L 29, BRITISH INDUSTRIES FAIR, Crystal Palace, London, Feb. 23—Mar. 5.

JOHN MILNER & Co., Orient Works, Matilda St., SHEFFIELD.



We have a large stock of these bottles in Actinic Green, well fitted. Half-ounce only.

Sample and Price on Application.
Makers for Wholesale Trade.

M. J. FECHER LTD., Ilex Works,
Northwold Road, Stoke Newington, London, N. 16.

PURE WHITE INLEAVED ABSORBENT
COTTON WOOL.

1 lb. 1/5½; 8 oz. 1/6½; 4 oz 1/7½; 2 oz. 1/9½; 1 oz. 1/11½ per lb.
Carr. paid, 28 lb. as above. Special prices for 5 cwt. and upwards
Mag. Carb. Levis, B.P., 1/- lb. Mag. Sulph. B P., 24/- cwt. Borax and other Chemicals. Terms—Cash with Order.
J. L. STANSFIELD, Chemist, Boothfold, Waterfoot, nr. Manchester.

PIPES AND SMOKERS' REQUISITES.

Price Lists on Application.

HARWOOD BROTHERS,
BRIAR PIPE MANUFACTURERS,
8/20 Richmond Street, LIVERPOOL.

KUTSEAL THE-HEALER

THE LIQUID COURT PLASTER
ALL- BRITISH.

Minimum Retail Price **1/3** Wholesale Price **11/6** PER DOZ.

CARRIAGE PAID ON ORDERS OF 30/- UPWARDS.
2½% DISCOUNT FOR CASH IN 7 DAYS.

SOLE MAKERS: THE KUTSEAL CO., BLACKPOOL.
LONDON AGENTS—
The S. W. K. CO., 1 Portsmouth Street, W C. 2.

THE "IRIS" SEALING MACHINE

STRONG
SIMPLE
EFFECTIVE

If you are not already using our GUMMED TAPE for your parcels and packets, it is worth your while to send for samples and prices.

R. A. STEPHENSON, LTD.
130 Queen Victoria Street,
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Telephone: CITY 2577.
Telegrams: "ECONORAST, CENT, LONDON."

HOT WATER BOTTLES AND AIR CUSHIONS

THE "EMPIRE" BRAND

One Quality only—THE BEST. Guaranteed for 2 years.

FIG. 957.—Side Handle.

Sizes	6×8	6×10	6×12	8×10	8×12	8×14	10×12	10×14
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
Heavy weight ... ... each	4 0	4 4	4 8	5 0	5 6	6 0	6 3	7 0
Covers, scarlet or grey plush ,,	1 5	1 8	1 10	2 0	2 2	2 8	2 10	3 3

Fig. 1194. **The "EMPIRE" Red Indiarubber Air Cushion.**

Sizes	14	15	16	17	18	19	20 ins.
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
Circular Shape ... ... each	8 0	9 0	10 0	11 0	12 0	14 0	16 0
Square shape ... ... ,,	12 0	13 6	15 0	16 6	18 0	19 6	22 0

5% discount allowed for prompt cash off above prices.

We are the right House for BRITISH-MADE GOODS—Anti-Rheumatic Rings, Bandages, Belts, Catheters, Clinical Thermometers, Combs, Enemas, Elastic Hosiery, Hot Water Bottles, Pessaries (Quinine), Rubber Sponges, Splints, Sponge Bags, Tooth Brushes, Trusses, Water and Air Beds, Water and Air Cushions, Waterproof Sheeting, and every description of Rubber Goods.

ILLUSTRATED PRICE LIST POST FREE. OUR GOODS ARE RIGHT. MONEY BACK IF NOT SATISFIED.

BURGE, WARREN & RIDGLEY, LTD.

91 & 92 GREAT SAFFRON HILL, LONDON, E.C. 1.

Belladonna Plasters. Breast Plasters.

Attractively wrapped, best quality, readily saleable.

Breast Plasters are shaped and have small unperforated margin.

ZOPLA (Zinc Oxide Plaster) in small attractive tins in three colours.

Also on spools and in rolls. ***The most popular Strapping.***

Strengthening, Corn and Bunion, Mustard, Rubber Adhesive, Holland Strapping, Plumbi Base, and all other Plasters.

HELVIA CRÊPE BANDAGES.

Write for complete List. WHOLESALE ONLY.

LESLIES, LTD., 62 London Wall, London, E.C. 2.

"NORVIC" CRÉPE BANDAGE (REGR)

SUPERIOR ENGLISH MANUFACTURE. FAST WOVEN EDGES.

Extremely Elastic, but contains no Rubber.

Invaluable for binding. Displaces rubber and elastic web. More durable and one-third the cost. The Norwich Crepe Bandages, containing wool, will provide warmth, and do not absorb grease readily. Self-clinging and self-adjusting. Perfectly cleansed, sterilised, and resiliency entirely restored by washing in hot soft water (with addition of a little soap). The edges will not fray out or ravel. Made and supplied to the leading wholesale houses, neatly wrapped in labelled packages. Commended by the medical and nursing professions. Send for prices and samples to the sole manufacturers—

"It's the greatest comfort for Varicose Veins."

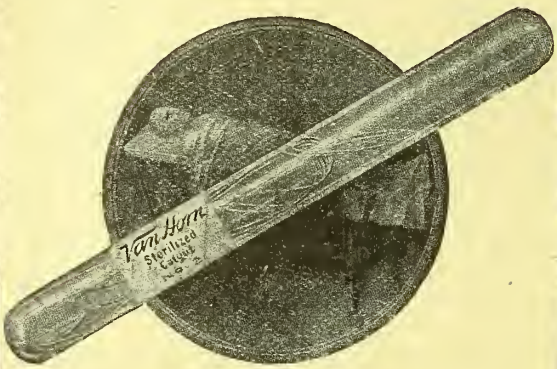
The NORWICH CRAPE CO. (1856) Ltd. (ST. AUGUSTINE'S SILK MILLS), **Norwich, Eng.**

Provincial Selling Agents, **Freese & Moon, Ltd.**, 59 Bermondsey Street London, S.E. 1.
Loodoo Buyerscan obtain samples & prices from **Mr. T. Eastaway,** Loodoo Representative, 7 Wool Exchange, E.C.2

12

The thought behind the tube—

"the patient on the table"



Not "good enough," but the best from every standpoint—alone assures that degree of "Catgut Safety" demanded when the patient on the table is "one of my own family."

Only on this peculiarly personal basis is

"VAN HORN" CATGUT

supplied to the Profession.

VAN HORN Obstetrical Suture
(Chromic Gut)

K-Y Lubricating Jelly
An Ideal Emollient.

K-Y Analgesic
The Greaseless Anodyne.

Johnson & Johnson,
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Agents:
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IMPORTANT

It is not generally known that Corks made of Rubber are to-day 25% cheaper, are more serviceable, reliable, and give greater sealing facilities than any other kind. We specialise for the requirements of the Chemical Trade, and manufacture all standard sizes.

	Drab Ammonia Proof.	Drab Acid Proof.
Prices for 8-oz. Bottles ...	3/3	4/3 per gross
„ 16-oz. „ ...	4/9	5/9 „

Other sizes—Prices on Application.

SPECIAL PRICES FOR LARGE QUANTITIES.

We also manufacture BUNGS for ½-gall. and 1-gall. Jars.

RED & BLACK RUBBER CORKS of the Best Quality for Laboratory use.

Inquiries Solicited.

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Manufacturers of all Rubber Specialities for Medical, Chemical & Laboratory use,

Letchworth, Herts.

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Mustard?

—Yes! RIGOLLOT'S Mustard Leaves

for Plasters.

The original and only genuine.

Of all Chemists and Stores in

7d. & 1/- packets & 1/7 tins.

67 Southwark Bridge, LONDON, S.E.

HIGH CLASS
SURGICAL DRESSINGS

"ZORBO" Regd.
PNEUMONIA JACKETS.

PRICES NOT *ADVANCED.*

While present Stock lasts we can supply at following prices:

No. 1 -	9/6 per doz.	No. 4 -	20/6 per doz.
„ 2 -	12/- „	„ 5 -	25/- „
„ 3 -	16/6 „	„ 6 -	30/- „

Prices MUST Advance Eventually.

ORDER NOW.

ROBERT BAILEY & SON, LTD.

SURGICAL DRESSING MANUFACTURERS,
MARRIOTT STREET MILLS, STOCKPORT.
CABLES UNDISPUTED, STOCKPORT. CODE A.B.C 5TH EDITION.

LET YOUR CONTAINERS HELP YOUR ADVERTISING!

NAPPER & DAVENPORT,

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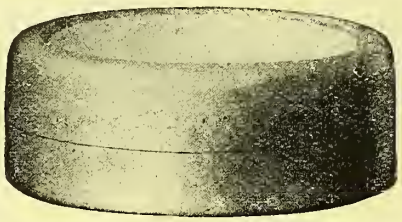
Endeavour to turn out ALUMINIUM, etc., CONTAINERS & FITTNGS which are a real help in the marketing of your preparations

SPECIAL LINES PRODUCED TO INSTRUCTIONS.

QUOTATIONS, DESIGNS & STYLES FOR EMBOSSING WILLINGLY SUBMITTED.

ALUMINIUM
SCREW CAPS
BOXES
SHAVING STICK
AND SIMILAR
TUBES



No. 206. Diameter 2 in. Depth (overall) ¾ in.

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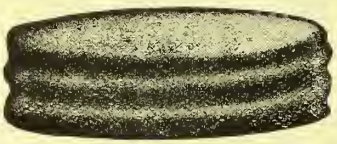
ZINC
TUBE CLIPS



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SHOWING AT THE
BRITISH INDUSTRIES FAIR
CRYSTAL PALACE, LONDON.
FEBRUARY 23 to MARCH 5, 1920.
AND THE
LONDON FAIR & MARKET
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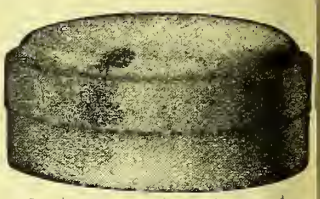

No. 200. Diameter 1⅝". Depth (overall)

Effective, Showy, and Very Saleable

Losall's - - Ball-Room Floor Polish

For quickly producing a perfect Polish on Floors for Dancing.

Handsome three-coloured Enamelled Tin, Perforated Top.

P.A.T.A. 1/6 Per Dozen, 13/6

LOFTHOUSE & SALTMER, Ltd.

Wholesale and Export Drug Merchants and Manufacturing Chemists,

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SEND FOR TRADE PRICE LIS

OF

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UNDERTAKEN AT

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103 Newgate St.,
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SPECIAL NOTICE.—These premises are embraced by the General P st Office, and are therefore exceptionally well situated for express delivery of work to customers at a distance. This will be particularly appreciated in the matter of prompt return of repairs.

Hours of Business:
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Telephone: City 9241.

TEMPLAR MALINS, LTD., Proprietors

"Where can I get one like it?"

"Oh! you'll see them in X's windows."

A sure business bringer

TO sell a Sorbo Sponge is like sending out a really first-class circular. It brings new business. A customer who takes a Sorbo Sponge home is justly proud of her purchase, and when friends ask where they can get Sorbo Sponges she sends them direct to the shop with the Sorbo display.

Soap improves them and they improve with use.

Thousands and thousands of pounds are being spent this year to advertise Sorbo Sponges and create a national demand for the finest rubber sponge in the world. Week after week sales of Sorbo Sponges will go up, and that increased trade will be permanent. It will certainly pay you to order your stock *now* so that you can benefit by the big demand *from the very first.*

Send a trial order to-day and display Sorbo Sponges. A parcel of three dozen assorted sponges will show you 33⅓ % profit.

YOUR WHOLESALER CAN SUPPLY

Sorbo Sponge

THE MOST ABSORBENT RUBBER SPONGE

Protected Retail Prices:

No. 1, 1/3; No. 2, 2/-; No. 3, 3/-; No. 4, 5/-; No. 4R, 7/6; No. 5, 10/6

SORBO RUBBER-SPONGE PRODUCTS, LIMITED,

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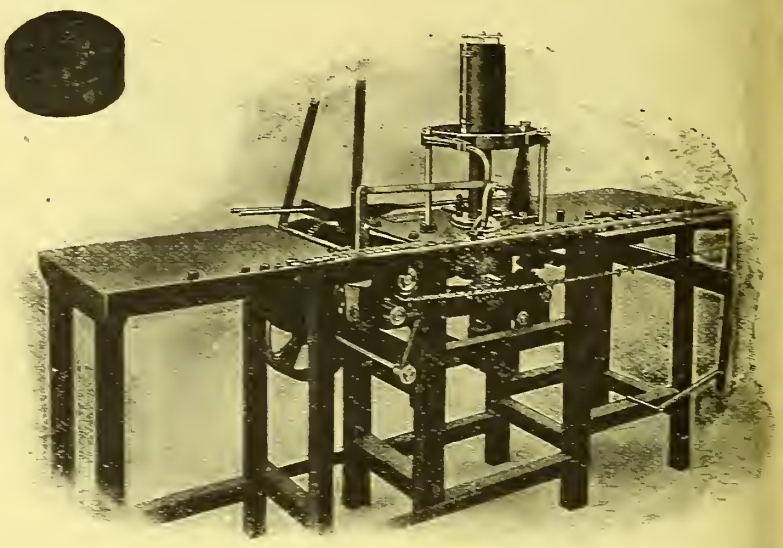
Telephone: CITY 9372

Telegrams: Osorbeau, London.



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THE FORGROVE COUNTING AND FILLING MACHINE

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A NEW DESIGN on modern lines, of lightness and great strength, without clumsiness. Is quite fool-proof, all electric and other complications discarded. Extremely simple and adapted for girl labour. Dripless, owing to new rapid and perfect cut-off.

In face of all competition, has been adopted *during last year* by most of the best and up-to-date firms, such as:

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The Fastest, Cleanest and Simplest. Average Speed 1,000 bottles per hour.

Specially good for—Emulsions, Hair Oil, Hair Restorer, Dyes, Lacquers, Essences, Extracts, Castor Oil, Camphorated Oil, Glycerine, Toilet Preparations, Veterinary Medicines and Patent Medicines of all kinds. Used by many of the largest Wholesale Chemists & Druggists, who write: "There is no better filling machine," "An excellent machine," A great help—Average speed 1,000 bottles per hour."

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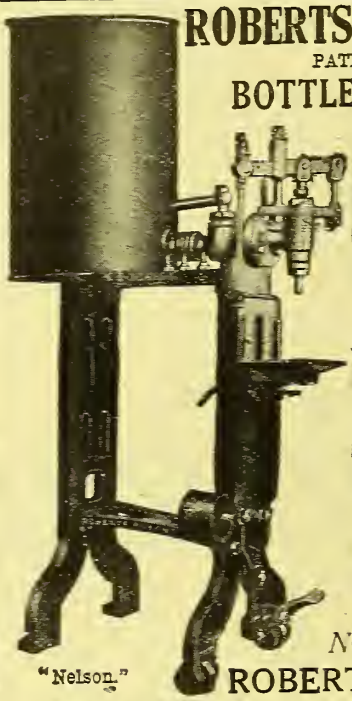
Engineers and Coppersmiths,
2, 3 & 4 Pownall Square, LIVERPOOL.



ROBERTS' ORIGINAL
PATENT
BOTTLE-FILLING MACHINES

Don't waste money on imitations, but
Roberts' Machines
which actually
Created the Records
for
CLEANLINESS
SIMPLICITY,
and Rapidity in Bottle Filling.

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ROBERTS' PATENT
FILLING MACHINE CO.,
33 ROUNDCROFT ST., BOLTON.

OUR LATEST PATENT "ALPHA" PRICE £14, WILL FILL 10 GROSS BOTTLES PER HOUR.

Write for Particulars. *All rights reserved.*

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LUSTRATION of a Combination Bottle Dryer specially designed for Manufacturing Chemists. Six to ten s can be dried in the cupboard per , and at the same time large bottles be dried on the tubes at the rate wo thousand a day of ten hours.

have supplied scores of these machines, can give references in every district reat Britain. Among the best-known s are : Messrs. Allen & Hanburys Ltd ; sdale Ltd.; Boots Ltd.; W. J. Bush & Ltd.; W B. Cartwright Ltd.; Davy & Hodgkinson ; Duncan, Flockhart & ; R. Gibson & Sons, Ltd.; Hirst, Brook Hirst Ltd.; Johnson & Sons ; Kilner s.; Lofthouse & Saltmer Ltd.; Meg- n & Co., Ltd.; Nuttall & Co. (St. ens) Ltd.; Yardley & Co., Ltd. etc.

also make special Plant for Drying micals, Confectionery and every kind material. Also Dust Removing and tilating and Warming Plant.

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Designed to combine simplicity, accessibility, and ease of operation.

DRYERS
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ATLAS WORKS, PRESTON.
Established 1791.

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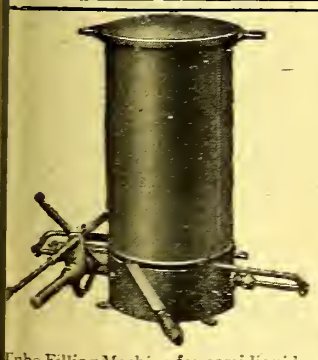

Tube Filling Machine for semi-liquids.

THE "CENTRAC" MACHINES

for Filling Bottles, Collapsible Tubes, Pots, Jars, etc., and for closing Collapsible Tubes.

Made in England.

Strong, Simple, Reliable. Easy to Work.

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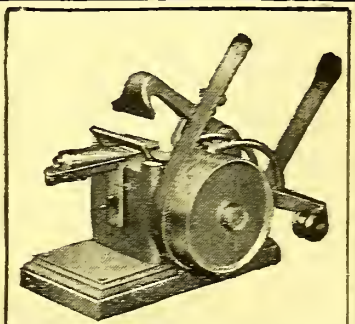

½ Power Tube Closing Machine. (2)

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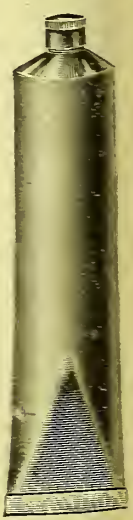

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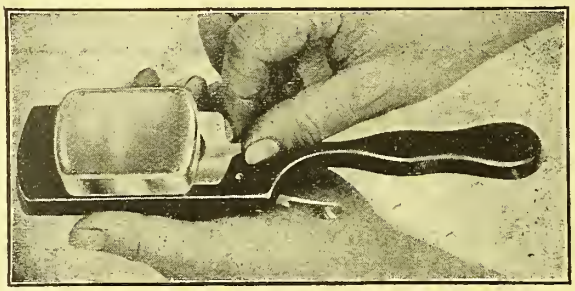

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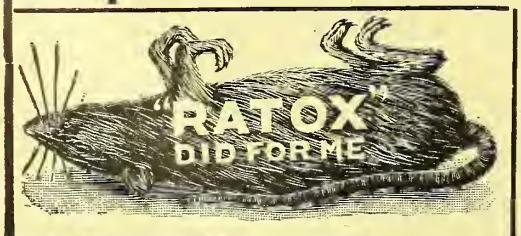

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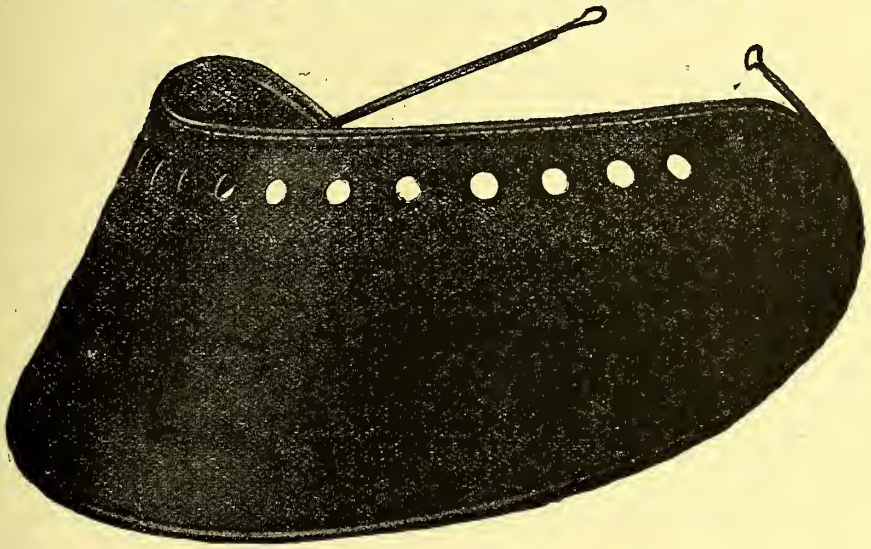

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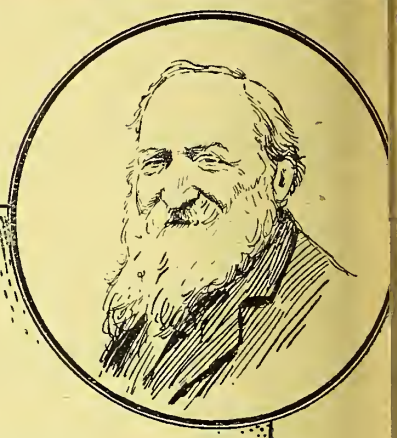

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LEGAL.

Re MATTHEW JAMES TODD, Deceased.

RSUANT TO THE LAW OF PROPERTY AMENDMENT ACT, 1850.

ICE IS HEREBY GIVEN that all creditors and other persons having any claims or demands against the estate of HEW JAMES TODD, late of Shiremoor in the County rthumberland, Pharmacist, Deceased (who died on the first f May 1919, and whose Will was proved in the District ry at Newcastle-upon-Tyne of the Probate Division of His y's High Court of Justice on the 22nd day of January, by William Kerse and Frederick Gilderdale the Executors n named) are hereby required to send the particulars in g of their claims or demands to the undersigned, the or for the said Executors on or before the 24th day of , 1920, after which date the said Executors will proceed tribute the assets of the said deceased amongst the persons d thereto having regard only to the claims and demands ich they shall then have had notice, and they will not be for the assets of the said deceased, or any part thereof so uted to any person or persons of whose claims or demands hall not then have had notice.

d this fifth day of February, 1920.

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AGENT.—Gentleman, holding first-class personal connection of 15 years' standing with Chemists throughout Scotland, is desirous of sound Agency. "Rex," c/o Goldie & Co., 144 St. Vincent Street, Glasgow.

AGENCY.—Experienced Traveller, working on own account, desires good Side-line or Agency on commission basis; highest references. P.C.B. 37/27, Office of this Paper.

FIRM in the Chemists' trade with good warehouse accommodation required to act as Agent and Distributor for well-kuown German Pharmaceutical articles. Write "H. M.," c/o J. W. Vickers & Co., Ltd., 5 Nicholas Lane, E.C. 4.

WANTED, by firm of Wholesale Chemists, Agency for advertised proprietaries; Lancs, Cheshire, and North Wales. "Commission" (7/18), Office of this Paper.

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1.—SUSSEX COAST.—Well-established Retail and Dispensing Business, returning £2,000; no Panel or Photo; good position; well fitted and heavily stocked; sole cause of sale, leaving the Retail; price £1,000, for quick sale—about valuation.

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We are in immediate want of sound businesses in all parts of England, especially London, South Coast, S.W. and Western Counties, Midlands and Home Counties, at prices ranging from £300 to £3,000. Cash buyers waiting; private register kept. Best attention and quick sales guaranteed. Terms sent on application. *Established 1870.*

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NORTH-EAST.—For Sale, an excellent middle-class Pharmacy; returns £7,000; splendidly stocked and well fitted, showing good profits; moderate rental and low working expenses; no bookings, and N.H.I. practically nil; only those with capital and no agents entertained; owner will accept goodwill and outside valuation of stock and fixtures; desire to sell is purely a personal one, and those who consider an application are assured that the business is well above the average. Reply 5/10, Office of this Paper.

NORTH WALES.—Old-established, good Mixed Business in large country district; Dispensing and Agricultural; excellent opening; the only Chemist shop within seven miles round. "Farax," Evans Sons Lescher & Webb, Ltd., Liverpool.

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CAPSULE Press, hand-working, complete, with 5-, 10-, and 30-Minim Moulds. Can be seen working at Bartlett Hoopers, 56 Great Dover Street, Borough, London, S.E. 1.

OVER-STOCKED; 78 lb. Cream of Tartar, 99%; what offers? Mason, 30 Norfolk Street, Cambridge.

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COAST, country town, or village Business; house attached; neglected one not objected to, with view to purchase; property; please send turnover, net profit, rent, lease, taxes, no opposition; particulars treated with strictest confidence. 10/15, Office of this Paper.

DEVONSHIRE or Neighbourhood.—Advertiser wishes to purchase for cash a Retail Business, suitable for unregistered man; Drug Store or Mixed Business not objected to; neglected one entertained if scope for increase. Please send full particulars in confidence, stating size of house (if any), to "Forward" (13/9), Office of this Paper.

GLASGOW OR WEST OF SCOTLAND.—Wanted, Chemist's Business with good turnover; must be in good position, any class neighbourhood; immediate payment can be arranged. Write full particulars in confidence to "S." (10 Office of this Paper.

HAMPSHIRE, SUSSEX, SURREY, KENT, OR SOUTH.—Wanted, bona-fide, genuine, good-class country Business returning about £2,000 or more, and where an Assistant is kept; cash ready; advertiser recently gave up business through ill-health; few days' trial essential; references given and required. Write, confidentially, Mr. Keeble, 10 Somerset Road, Southsea.

MIDLANDS OR SOUTH.—High-class, sound Business wanted with house above shop, in best part of a large town; must be available; turnover about £5,000. Full particulars in strict confidence to 8/22, Office of this Paper.

SOUTH DEVON DISTRICT.—Good-class Retail and Dispensing Business wanted; cash down. Particulars, in confidence to "South Devon" (11/11), Office of this Paper.

SOUTH WALES.—Genuine Retail Business required by Pharmacist; returns over £1,500; house attached; business must bear investigation. Please send full particulars in confidence to "G. J." (10/24), Office of this Paper.

WALLASEY OR LISCARD PREFERRED.—Wanted, immediately, for cash, sound Retail and Dispensing Business with or without Photographic; turnover about £1,600; house attached if possible; must bear investigation. Please give full particulars to "M.P.S.," c/o 30 Greenheys Road, Liscard, Cheshire.

WEST Riding, Bradford preferred.—Good sound Business, about £2,000 turnover. Full particulars, in strict confidence, to E. M. C. (10/39), Office of this Paper.

ADVERTISER requires a sound Business in Lancashire or Yorkshire, with scope for development; in main thoroughfare preferred, but not essential; returns from £1,500; must give full particulars as to turnover, rent, rates, lease, and reasons for disposal. "L. & Y." (12/23), Office of this Paper.

BUSINESS wanted, in London or near, or seaside town; main thoroughfare; kindly state full particulars and lowest price for cash; neglected business not objected to. "Viv 17 St. Mary's Road, Canonbury, N.

DRUG Store wanted by unqualified, to purchase, doing a good trade, in London or suburbs, with living accommodation. Please send full details, turnover, rent, profit, taxes, etc. 8/34, Office of this Paper.

GENERAL Retail Business or suitable premises; East or South Coast preferred; good living accommodation; partnership entertained; experienced, reliable; please give particulars in confidence. "Unqualified" (10/30), Office of Paper.

IN Home, Southern, or South-Eastern County; turnover £2 or more; good house, some garden; no objection to Dental or Optical; goodwill and valuation terms; banker's reference. Address Mr. Williams, c/o Mr. Bartlett, Pharmacist, Buckingham Gate, S.W.

LIGHT Retail and Dispensing Business wanted immediately; cash; turnover about £1,500; West Country preferred. Preliminary particulars, in confidence, to Webber, "Frankl High Street, Honiton, Devon.

PHARMACIST requires a Business; London or provincial to returns £1,000 to £2,000; capital at command. Particulars, in confidence, "R." (12/12), Office of this Paper.

PHARMACIST requires good Business in South Wales, immediately; would entertain Partnership; cash terms. Pl send full particulars to "Dilwyn" (12/29), Office of this Pa

ITED, Light Retail and Dispensing Business, town or untry, with house attached; turnover between £2,000 and ; Managership, with early view to succession, entertained. tails of rent, lease, taxes, living accommodation, etc. consider buying premises), to "M.P.S.," c/o T. Wood, nes, Stockport Road, Ardwick, Manchester.

ITED, a Business within 20 miles of Newcastle-on-Tyne; unopposed country one preferred; cash ready. Give ticulars to 11/34, Office of this Paper.

BONUS for information actually leading to purchase of good-class Family Business on South or East Coast or in n Counties; not London, but outskirts not objected to; no nor Dentistry; good living accommodation essential; confidence; cash available up to £800. "Anthony," ight, Layman & Umney.

PARTNERSHIPS.

for 50 words or less; 6d. for every addition 10 words or less, prepaid

UFACTURE OF TOILET PREPARATIONS.—Active artner with capital required for extension in high-class hed manufacturing business in London; principals only pply. Apply P.C.B. 35/38, Office of this Paper.

TNERSHIP, with a view to succession, wanted in good-ass Business; London or large provincial town preferred. 11/27, Office of this Paper.

APPRENTICESHIPS.

TH, 19, reached London Matriculation Standard, wishes to e apprenticed to a Pharmaceutical Chemist; highest refer- state terms. Apply 5/13, Office of this Paper.

ROOMS WANTED.

NTED, over Chemist's, one or two Rooms for Sight-testing; ide door not essential; London area. 8/33, Office of this

SITUATIONS OPEN.

RETAIL.

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ou are not a skilled tradesman you can learn a useful rade by joining the ROYAL ARMY MEDICAL CORPS. e are vacancies in this Corps for skilled and untrained men an be trained to serve as PHARMACISTS, DISPENSERS, AL MECHANICS, X-RAY OPERATORS, MENTAL AND RATORY ATTENDANTS, MASSEURS, OPTICIANS, ING ORDERLIES, and HOSPITAL COOKS. ed men will be paid the rates laid down for their trades, ntrained men will receive 2s. 9d. per day until qualified. om 18 upwards. particulars can be obtained from Central Recruiting Depôt, Scotland Yard, S.W. 1.

MINGHAM.—Smart, unqualified Assistant for a good-class Light Retail and Dispensing business in one of the best ntial suburbs; comfortable and permanent post. "K." 2), Office of this Paper.

STOL DISTRICT.—Junior Assistant or Improver, about 20; hours reasonable; Light Retail and N.H.I. Apply, with particulars and salary wanted, to 10/28, Office of this .

MBERLAND.—An energetic and capable Assistant, qualified, for good-class agricultural business; permanency; outdoors; age, experience, salary, etc. Thos. Edmondson, Chemist, th.

VON.—Assistant wanted, good Junior, nbstainer preferred, for mixed country business; market town; easy hours; no ay duty. Apply, stating age, experience, salary required oors), Geo. Senior, Holsworthy, Devon.

LL.—Elderly qualified Assistant required for Light Retail and Photographic business; comfortable and permanent state age and salary required. "Hull" (9/32), Office of Paper.

NDON (Baker Street District).—Part-time Assistant wanted, with Dispensing experience, able and willing to take share unday duties. Apply, giving particulars of age, experience, available, and salary required, to "B. C." (11/26), Office his Paper.

NDON, CENTRAL.—Outdoors; Assistant, preferably qualified, mainly for Dispensing; knowledge of French and experience Continental Dispensing an advantage. Full particulars to ell & Co., 1 Cranbourn Street, Leicester Square, W.C. 2.

LONDON, N.—Junior Assistant wanted (immediately) in middle-class business; quick and accurate Dispenser; knowledge of Photography. Apply, giving full details as to experience, salary required (outdoors), etc., to Edgar Wilson, 356 Essex Road, Islington, N. 1.

LONDON, N., within easy distance from City and West End.—An Assistant (male or female), not necessarily certificated, but must be energetic and willing, with experience in Dispensing and Counter work, Stockkeeping, and Window-dressing. Apply, giving full particulars and salary expected, to 11/5, Office of this Paper.

LONDON, N.E. (near City).—Assistant wanted, unqualified, but with good Counter experience, including some N.H.I. Dispensing and the sale of Photographic Goods; able to take charge when necessary; about 30; married preferred; good character essential. Give full particulars, with salary required (outdoors) to L. W. H. (37/23), Office of this Paper.

LONDON, N.W.—Junior or Improver wanted for Dispensing business; three kept. Apply by letter, giving full particulars (outdoors), Davidson, Ph. Chemist, 342 High Road, Brondesbury, N.W. 6.

LONDON, S.W.—Qualified Manager required for Light Retail and Dispensing business; interest in the profits offered; splendid opportunity for a capable man. "G." (9/321), Office of this Paper.

LONDON, S.W.—Capable lady Assistant for Counter and little Dispensing; outdoors or indoors; house few minutes from shop; hours 9 till 8, Saturdays 9; half-day weekly. Apply, giving past experience and salary required, to "Chemist," 3 Soudan Road, Battersea, S.W.

MANCHESTER.—Qualified Assistant; N.H.I. Dispensing and quick Counter trade; one accustomed to Manchester district preferred, and capable of taking charge; give full particulars and salary required. Apply 9/31, Office of this Paper.

METROPOLITAN BOROUGH OF LEWISHAM.

TUBERCULOSIS DISPENSARY.

CLERK DISPENSER.

THE Lewisham Borough Council invite applications for the vacant post of woman Clerk-Dispenser (whole-time) at the Lewisham Tuberculosis Dispensary. Salary £120 per annum, plus War Bonus £76 per annum. For forms of application and further particulars apply to the Medical Officer of Health, Town Hall, Catford, S.E. 6, sending stamped addressed foolscap envelope.

Applications, together with *copies* of three recent testimonials, must be received not later than 12 noon on Thursday, 19th February, 1920, addressed to John W. Shuter, Esq., Town Clerk, Town Hall, Catford, S.E. 6, and endorsed "Clerk Dispenser."

PORTH—An unqualified outdoor Assistant; short hours; no Sunday duty; state age, experience, salary required. T. Davies, Porth, Glam.

ROYAL DEVON AND EXETER HOSPITAL, EXETER.

TO Chemists. Applications are invited for a full-time qualified Assistant in the Dispensing Department at this Hospital. All particulars may be obtained from the Chief Dispenser any day between the hours of 9 and 5 p.m.

Applcations should reach the undersigned by 11 a.m. on Tuesday, 17th inst.

By Order of the Committee,

S. S. COLE.
Secretary.

WEST-END or Continental experienced Assistant, also a good Window-dresser, required at Davis International Pharmacy, Coventry Street, W. Apply, by letter only, to T. Morgan Davis, 225 Lewisham High Road, S.E. 4.

YORKSHIRE, EAST, BUSY SEAPORT.—Qualified Manager required for a quick Cash Retail and Photographic business; Photographic experience essential; interest in the profits; excellent opportunity for a Chemist who is a keen business man; single man preferred. "East" (9/320), Office of this Paper.

ASSISTANT, energetic and painstaking, with good Dispensing experience, wanted; please state particulars of experience and salary required. Amon, Chemist, 436 Streatham High Road, S.W.

ASSISTANT, unqualified, required by March 1st for high-class Dispensing and Retail business; good Dispenser; knowledge of Photography; hours 8.30 to 7, with short duty on alternate Sundays; usual half-holiday. State salary required (outdoors), experience, references, to Charles Gilling, Chemist, Sunningdale, Berks.

AT Once.—Dispenser, with N.H.I. qualification; age 28-35; single; General, Retail, and Agricultural experience, with good knowledge of Photography; capable of taking charge when required; permanency; usual particulars, with salary required. Newton & Co., Yeovil.

DISPENSER wanted; must have excellent references. Apply, with full particulars, salary required, etc., to Wm. Fox & Sons, Ltd., 111 Bethnal Green Road.

DISPENSER (part-time) required; hours 9-10.30, 5.30-8.30; no Sunday work; no other duties; three minutes from District Station, on tram and 'bus route. Apply, stating salary, to Dr. Steedman, Woodville House, Hounslow, W.

ELDERLY qualified Chemist as Supervisor; an easy post for suitable gentleman. Apply, stating salary required, to 65 Rustlings Road, Sheffield.

ENERGETIC and capable Assistant wanted for good-class Family and Dispensing business; permanent; outdoors. Apply by letter, stating age, experience, salary, etc., A. W. Hall, Chemist, Pinner, Middlesex.

ENERGETIC Lady Assistant wanted, experienced in Dispensing, Counter work, Photographic, and Window-dressing; good salary to the right Assistant. Cooper, Chemist, Tottenham Lane, Hornsey, N. 8.

EXPERIENCED Assistant (February 23rd); good appearance; qualified preferred. Apply R. S. Starkie, 126 Strand, W.C. 2.

EXPERIENCED Counter Assistant; only first-class Salesman of proved selling ability wanted; outdoors; give full particulars of experience, state age, height, salary required, and enclose photo if possible. Apply Mr. Austen, Messrs. Newsholmes, Chemists, 27 High Street, Sheffield.

J. T. SMITH & SON desire to announce that the applications for their vacancy were so numerous they find themselves unable to reply individually. The appointment has been made, and they tender their thanks to all who applied.

LADY Assistant for Stock and Counter. Apply personally, E. Richardson, 369 Brockley Road, S.E. 4.

MANAGER, qualified, good and middle-class neglected business near Baker Street; opportunity for energetic man; state experience, references, salary required, and when at liberty. Apply 10/13, Office of this Paper.

OUTDOORS.—Junior or Improver for good-class Dispensing, Photographic, and smart Counter trade; two kept. Apply, with usual particulars, salary required, etc., to W. J. Boyes, 61 Balham Hill, S.W. 12.

PART-TIME Assistant wanted; three afternoons and evenings weekly. C. A. Neale, 28 Circus Road, St. John's Wood.

PART-TIME male Assistant Dispenser wanted, immediately, in good-class Medical Practice; vacancy would suit student with Dispensing experience desiring free mornings for attending College; must be trustworthy and gentlemanly. Call, or write to Mr. Hughes, 20 Streatham Hill, S.W. 2.

QUALIFIED Assistant wanted for April 12th for a first-class Dispensing business; thoroughly competent Dispenser essential; six months' engagement. Apply, stating terms and reference, to W. Parry-Jones & Co., Chemists, High Barnet.

QUALIFIED Assistant for Manchester business; easy hours; no Sunday duty; state age, wages, and experience. Apply 8/35, Office of this Paper.

QUALIFIED Chemist required immediately; take charge small private company, Bucks; single man preferred; abstainer; salary and commission. Reply, stating terms, 8/25, Office of this Paper.

QUALIFIED Manager for branch at once; must be willing to adapt himself to Store methods, N.H.I. Dispensing, etc. Apply, stating full particulars in first letter, to Head Office, Bewell's, Ltd., 19-21 Pitfield Street, N.

QUALIFIED Assistant wanted for Dispensing Department. Apply John Bell & Croyden, Ltd., 50 Wigmore Street, W.

QUALIFIED Managing Assistant required, 28 to 40, for busy Retail; commencing salary £6 6s. per week; good opportunity for capable business man with first-class credentials. Apply, with full particulars of experience, etc., W. S. Potter & Co., Plaistow, London, E.

REQUIRED (immediately), qualified (Male) Assistant; must be reliable and accustomed to good-class Dispensing and Counter work; outdoors. Apply, giving all particulars as to age, experience, and salary required, to Barnes & Marsh, 194 Upper Richmond Road, Putney, S.W. 15.

REQUIRED (at once), elderly qualified or registered Chemist for light duties at short hours; would suit retired gentleman to fill spare time; permanent engagement to reliable man. Apply by letter, giving particulars as to time at disposal, references, age, and salary, to "Secretary," 24 Kingscote Road, Bedford Park, London, W. 4.

SMART unqualified man wanted for Counter and Photographic in main street of lovely health resort. Please send full particulars and salary to 10/8, Office of this Paper.

SURGICAL Assistant required with experience in fitting Trusses, Abdominal Belts, and possessing a knowledge of Druggists' Sundries. Applicants to state age, salary, and experience, to the Manager, Army and Navy Stores, 105 Victoria Street, S.W. 1.

UNQUALIFIED Junior wanted immediately; one just finished Apprenticeship would suit; middle- and working-class business; no heavy trade; no N.H.I Dispensing; short hours; outdoors; give full particulars of experience, references, and salary expected; send photo if possible. Hirst, Pharmacist, Slaithwaite, near Huddersfield.

WANTED, qualified Manager, expert Salesman, for Country Suburban business; hours 9 to 7.30. Apply, with full particulars in first letter as to age, height, salary, and testimonials, to H. Lawrence, Chemist, Kenley, Surrey.

WANTED, lady, qualified to take responsible positi experienced Counter Hand (female); unqualified. Samuel Shelley, Ltd., Chemists, Bilston.

WANTED, immediately, unqualified French-speaking A one who has had West-End experience preferred; tion to Frenchman or Swiss, providing they speak Englis well. Apply the Manager, Heppell's, 77 Strand, London,

WANTED, qualified Manager; Retail Chemist and D N.H.I. Dispensing; good opportunity for capable an trious person; good living accommodation attached. giving references, wage required, endorsed "C. & D.," Bradford Co-operative Society, 65 Sunbridge Road, Bra

WANTED, young lady Assistant, Dispenser and Cou once; state salary. Apply 11/21, Office of this P

WANTED, the services of Pharmaceist as Branch M applicants must have energy and initiative, also ledge of Photography; references must bear the strictest gation; commencing salary £5 10s., plus commission. 11/38, Office of this Paper.

WHOLESALE.

BIRMINGHAM.—Manager for Warehouse required imme qualification not essential, but must have had Buy perience and be capable of controlling staff. Apply 14/9 of this Paper.

BIRMINGHAM.—Manager required for Wholesale Manufa Chemist; experienced in manufacture essential; sta experience, salary required, etc., first letter. Apply 13/16 of this Paper.

CITY Firm requires a live Representative, with knowl Essential Oils and Synthetics, to call on Perfumer Makers, and Wholesale Druggists, etc.; salary and comm Write, giving full particulars, to "R. A. M." (10/34), C this Paper.

ANALYTICAL Chemist (Junior) for works of Electrical facturers in East London; used to analysis of lea oxides, acids, ebonite, and other electrical materials; some ledge of Electrical Engineering and Accumulators an adva salary £250 per annum. Write, stating age, experien "A. C. C.," at Horncastle's, 60 Cheapside, E.C. 2.

DRUGGISTS' SUNDRIES.—Junior Warehouseman, Department. Apply, with details, wages, etc., Sch Co., Ltd., Caledonian Market, N.

ENERGETIC Representatives wanted by a French Toilet just opened English Branch, on a liberal commission for England, Scotland, and Ireland; applicants must be enced Salesmen. State territory worked and references i letter to Agent, 39 Mytongate, Hull.

JUNIOR Invoice Clerk required, about 20 years of age; have had experience in the Drug trade. Apply W Layman & Umney, Ltd., 46 Southwark Street, London, S.E

LABORATORY Assistant required, accustomed to making Pastes and Toilet Creams. Cuxson, Gerrard & Co., Oldbury.

LOZENGE-MAKER required; London district; must be e of taking charge. State age, experience, and salary exp to 7/14, Office of this Paper.

REPRESENTATIVE, used to offering Pills and Tabl Chemists in provinces, Scotland, and Wales, want Pill firm; Pills in bulk and packed; £50 week easily do side-line; 12½% commission; state lines already offered ground covered. Apply "F. A." (12/25), Office of this Pa

REPRESENTATIVES possessing a live connection amongst class Hairdressers required for Perfumes, Soap, and goods; please give fullest particulars in first letter. Vani Co., Oldbury.

REPRESENTATIVES wanted for Somerset, Shrop Gloucester, Herefordshire, Worcester, Cumberland, Wilt Hertford, Middlesex, Northumberland, Durham, Westmor Welsh Counties, Eastern Counties, South and East Midlands, Coast, and Ireland, to introduce Packet Dyes; must have connections; good commission paid to real live Salesmen. A stating ground covered and references, P.C.B. 37/28, Office o Paper.

REQUIRED, experienced Travellers in London (on comm basis only), holding lively connection among Chemists in the Drug and Patent Medicine trades, for an Infl Medicine in concentrated (vest-pocket) form. "Elel," Li (Yorke's Liquid Life), 94 East Street, London, S.E. 17.

SALESMEN wanted to call on Chemists by Ralph Dennis, I Merchant, 4 & 5 Pilgrim Street, E.C. 4.

SMART Representatives wanted for all parts of the Br Isles, calling upon Patent Medicine Vendors, to sell or three attractively packed Proprietary Lines; they show profits, are extensively advertised, and are on the P.A.T.A.; w time men or part-time men with good records will be consid liberal treatment and excellent prospects for reliable men. full particulars to Waltons, Limited, Manufacturing Chem Batley.

d energetic Representatives wanted for London and t, to carry a well-advertised and excellent Influenza commission basis; applicants should state ground erience, and suggested terms. Replies to Box Flu-Mal, Knight Co., 11 Ludgate Hill, E.C. 4.

d energetic Representatives wanted for the provinces, nd, and Ireland, to carry a well-advertised and excel- za Cure on a commission basis; applicants should state ered, experience, and suggested terms. Replies to al, c/o Arthur Knight Company, 11 Ludgate Hill, C. 4.

PREPARATIONS AND PERFUMERY.—High-class equires experienced man or woman to take charge of ust be good organiser and used to production; good prospects. Apply 182/42, Office of this Paper.

D, Emulsion Maker; must have experience in manu- e of Embrocations on large scale. 169/14, Office of

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

ST.—A qualified Assistant, not over 30 years of age; have had experience in first-class Retail and Dispensing ood salary for the right man; passage paid out and four years' agreement. Address 11/8, Office of this

Qualified Assistant; knowledge of French and Con- al experience; outdoors; short hours; no Sunday or ; state age, experience, references, and salary re- rst letter; permanency, with good prospects, for suit- send photograph, which will be returned. Roberts ue de la Paix, Paris.

IA.—Qualified Assistant; single; under 30; good al experience essential; knowledge of Photography a tion; three years' agreement; second-class passage paid y climate; easy hours; salary £360, £390, and £420 st, second, and third years respectively. State age, and references to P.C.B. 35/21, Office of this Paper.

SETTLEMENTS.—Young Assistant, unmarried, with ist's qualification, a good knowledge of Optics desir- years' agreement; passage paid out and home; salary 420, second and third years £455, fourth year £490. 34, Office of this Paper.

SITUATIONS WANTED.

[HOME.]

RETAIL.

ABLE Assistant, 30, unqualified, seeks permanency; on or near; experienced in Counter work and Dispens- graphy; highest references. Please state salary, C. B. Office of this Paper.

ETENT Assistant; 16 years' experience in high-class ensing and Counter work, Dentistry, Photography; taking charge; permanency; London preferred; ex- erences. B. J. O. (37/342), Office of this Paper.

TION required in any capacity by young lady who is experienced Shorthand-Typist, Dispenser-Bookkeeper; district preferred. P.C.B. 36/34, Office of this Paper.

LIFIED Chemist, 24 years, 5 ft. 10¾ in., requires situa- in Lancashire; personal interview preferred; 9 years' d Dispensing experience; excellent testimonials. Shep- Church Street, Littleborough.

LIFIED Chemist (25) requires post as Manager or stant in good-class business; London only; disengaged; references. P. Chapman, 12 Stockwell Park Road,

Counterman, Stockkeeper, Window-dresser; N.H.I.; Presoriber, Extractor; energetic, experienced, unquali- llent references; 32; 5 ft. 10 ins.; married; demobi- Maydwell Street, Albany Road, S.E.

TISER; experienced Stocktaker; can undertake imme- ely few valuations; terms inclusive and moderate; own stock books priced out. "Statim" (10/3), Office aper.

ADVERTISER desires change; 25 years' high-class Store and Dispensing experience, 12 years London; free in one month; 40 years, single; salary £5 week; position Managing Assistant or branch. Apply 52/25, Office of this Paper.

AN APPEAL.—Qualified Manager, 33, married, expert all but Optics, through stress of work, requires Managership in quiet healthy district with succession prospect, house over; undeniable references. Apply 6/20, Office of this Paper.

AS qualified Manager or Assistant; disengaged; 20 years' ex- perience London and provincial; permanency preferred. Davies, Ty. Cwrdd, Llwynhendy, Llanelly.

AS Manager, Locum, or Dispenser; qualified; 45; single; Photo- graphic and good all-round experience; modern business methods. "Delta," 9 Grantbridge Street, Islington, N.

AS part-time or evenings; thoroughly experienced Locum; smart, neat, quick Dispenser; good Counter Salesman. G., 122 Scott-Ellis Gardens, St. John's Wood, N.W.

ASSISTANT; 27; Dispensing, Retail, and Photographics; varied London and provincial experience; disengaged; London preferred. H. Dittmar, 30 Durham Road, Stockton-on-Tees.

ASSISTANT, unqualified, single, nine years' experience in first- class Dispensing and Counter trade, seeks situation in London or suburbs; can be interviewed Wednesdays or Sundays; highly recommended. Apply "H. W. D." (9/29), Office of this Paper.

ASSISTANT, unqualified, requires permanency; Dispensing, Counter, Stock; London or country. "Statim" (10/23), Office of this Paper.

ASSISTANT; temporary; thoroughly experienced Locum; vacant Monday next; highest references. 14 Barnard Road, S.W. 11.

ASSISTANT; unqualified; 22; 4½ years' Counter and Dispensing experience; recently demobilised; state salary; Liverpool district or South Wales preferred. Full particulars to Williams, 6 Bryntg Terrace, Bangor, N. Wales.

ASSISTANT, unqualified, desires permanency; first-class Dis- pensing and Counter experience, Photography; excellent references. Please state salary (outdoor), A. J. (37/353), Office of this Paper.

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ASSISTANT; 28; unqualified; 15 years' Counter and Dispens- ing experience; trustworthy; capable of taking charge if required; highest reference. M. L. (37/340), Office of this Paper.

ASSISTANT, unqualified, 32, married, abstainer, recently de- mobilised, last post 5½ years, eight years' experience, accus- tomed to country middle-class Dispensing, Photo business, desires similar post; permanency. State hours and salary, 10/10, Office of this Paper.

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ASSISTANT; unqualified; all-round experience; London only. "Radix," 72 Tremadoo Road, Clapham, S.W.

ASSISTANT; 22; unqualified; experienced high-class Dispens- ing and Counter; excellent references; recently demobilised. Full particulars to Jeffs, 42 Morel Street, Barry.

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ASSISTANT, unqualified, age 37, good experience, requires per- manent situation London. Apply "G. H." (11/13), Office of this Paper.

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ASSISTANT, Manager, Locum; competent, experienced, reli- able; disengaged. "Energetic," 239 Camberwell New Road, S.E. 5.

ASSISTANT, unqualified; good experience; excellent referenees. Reed, 26 Kensington Gardens, Bath.

ASSISTANT, Locum, or Manager; qualified; disengaged. North, 307 Maryvale Road, Bournville.

ASSISTANT (lady), unqualified, full College course, wishes temporary post with Chemist in London; small salary accepted. Miss W., 120 Trinity Road, S.W. 17.

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ASSISTANT, demobilised, 28, unqualified, desires situation in Retail as Junior; abstainer; good references. Apply 13/15, Office of this Paper.

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DISPENSER, lady, Hall certificate, requires post; experienced; Liverpool preferred. Apply 8/24, Office of this Paper.

ENERGETIC Assistant, accurate Dispenser, all-round experience, desires post in high-class Pharmacy; London preferred, but not essential. N. F. (37/351), Office of this Paper.

ENERGETIC Assistant, unqualified; age 30; Dentistry, Photography, Optics, Dispensing and Counter experience; permanency desired; excellent references. L. Y. (37/350), Office of this Paper.

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